

Table S1 Primers used in this study

Primer	Primer sequence	Purpose
PVX-Flag-p27-F	CACCAGCTAGCATCGATATGGATTACAAGGATGACGACGATA	Overexpression
PVX-Flag-p27-R	AGGAGGTTCGTGTACAATTCAGACG TTCATCGGCGGTTCGACTCACTTATCGTCGTCATCCTTGTAATC AATATAATAATTTGAGACTCTT	
PVX-1457-F	TCACGCAGCAAAAGAAAGGC	
PVX-4667-R	CTCACCTTGTCAGGGACACC	RT-PCR detection
ToCV p27X-R5	TCAAATATAATAATTTGAGACTCTTCTATATTG	p27 point mutation
ToCV p27X-F6	TTTTCAATATGATTTCACCTATTTTACC	
TB1520-1-F	CGGTTGGGAATTCATTTACCATGGGACGCGATTGGAA	p27 point mutation
TB1520-1-R	CGTCTCAATTCTACACGACCTCCATCGATCA	
TB1520-2-F	GGTCGTGTACAATTGAGACGATGTTAACAGTGGAGTT	p27 point mutation
TB1520-2-R	GTCATTATCTTATCTTTTCGCGAAGAACTTAATGACAGTGAA GACG	
HBJC-CE+p27-F	ATGGAGAACAGTGCTGTTGC	p27 point mutation
HBJC-CE+p27-R	TCAAATATAATAATTTGAGA	
ToCV p27X-F1	TGGGAATTCATTTACCATGGGACGCGATTGGAAAGTATGGA	p27 point mutation
ToCV p27X-R1	AACCGGATCAAATCCACTGTTAACATCGTCT	
ToCV p27X-F2	CAGTGGAGTTTGATCCGGTTAAGATGTAAATACGACCG	p27 point mutation
ToCV p27X-R2	CATTATCTTATCTTTTCGCGAAGAACTTAATGACAGTGAAGA CGA	
ToCV p27X-CE-GFP-F3	TCTCAAATTATTATATTTGAATGGAGAACAGTGCTGTTGCAA	p27 point mutation
ToCV p27X-CE-GFP-R3	CCCTTGCTCACCATTCGATTAGGATTAGCCGGAATG	
ToCV p27X-CE-GFP-F4	AATCGAATGGTGAGCAAGGGCGAGG	p27 point mutation
ToCV p27X-CE-GFP-R4	AGTGGAAATCATATTGAAAATTACTTGACAGCTCGTCCATG CC	
ToCV p27X-CE-p27-F3	TCTCAAATTATTATATTTGAATGGAGAACAGTGCTGTTGCAA	p27 point mutation
ToCV p27X-CE-p27-R3-1	CGACCTCCATTCGATTAGGATTAGCCGGAATG	
ToCV p27X-CE-p27-F4-1	TCCTAATCGAATGGAGGTCGTGTACAATTCAGACG	p27 point mutation
ToCV p27X-CE-p27-R4-1	AGTGGAAATCATATTGAAAATCAAATATAATAATTTGAGACTC TTTCTATATTG GCAACAGCACTGTCTCCATTCAAATATAATAATTTGAGACTC TT	
1577-R	CTCAAATTATTATATTTGATTTTCAATATGATTTCACCTATTTT ACC	p27 point mutation
108-F		
BD-p27-F	TCAGAGGAGGACCTGCATATGATGGAGGTCGTGTACAATTC	Y2H
BD-p27-R	CTAGTTATGCGGCCGCTGCAGTCAAATATAATAATTTGAGA	
AD-SICAT1-F	GAGGCCAGTGAATTCATGGATCCCTCTAAGTATCG	Y2H
AD-SICAT1-R	GAGCTCGATGGATCCTCACATTGTAGGCTTCACAG	
AD-SICAT2-F	GAGGCCAGTGAATTCATGGATCCTTACAAGTACCGTC	Y2H
AD-SICAT2-R	GAGCTCGATGGATCCTCATATGCTTGGTCTCACATTA	

AD-SICAT1(1-1284)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-1284)-R	atgccacccgggtggaattcAAAATTGTTCTCTTTCTGAATGAC	
AD-SICAT1(1228-1476)-F	gtaccagattacgctcatatgTCACAATGTGCACTGGAAAACG	Y2H
AD-SICAT1(1228-1476)-R	atgccacccgggtggaattcTATGCTTGGTCTCACATTAAGCCTAG	
AD-SICAT1(1-594)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-594)-R	atgccacccgggtggaattcATCTTGGGGAATACCAATATC	
AD-SICAT1(568-1476)-F	gtaccagattacgctcatatgTTCGACGATATTGGTATTC	Y2H
AD-SICAT1(568-1476)-R	atgccacccgggtggaattcTATGCTTGGTCTCACATTAAGCCTAG	
AD-SICAT1(1-441)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-441)-R	atgccacccgggtggaattcATCACGGATGAAGAAGACGG	
AD-SICAT1(382-1476)-F	gtaccagattacgctcatatgATCACGGATGAAGAAGACGG	Y2H
AD-SICAT1(382-1476)-R	atgccacccgggtggaattcTATGCTTGGTCTCACATTAAGCCTAG	
AD-SICAT1(1-240)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-240)-R	atgccacccgggtggaattcGTCATGGGTAACCTCAAAGA	
AD-SICAT1(157-441)-F	gtaccagattacgctcatatgAATTTTGACAGGGAACGTGT	Y2H
AD-SICAT1(157-441)-R	atgccacccgggtggaattcATCACGGATGAAGAAGACGG	
AD-SICAT1(1-231)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-231)-R	atgccacccgggtggaattcAACTTCAAAGAACCCTTTGGC	
AD-SICAT1(1-216)-F	gtaccagattacgctcatatgATGGATCCATACAAGTATCG	Y2H
AD-SICAT1(1-216)-R	atgccacccgggtggaattcTTGGCACTAGCACCTCGGGC	
YFP-C-SICAT2-F	GAGAACACGGGGGACTCTAGAATGGATCCTTACAAGTACCGTC	BiFC
YFP-C-SICAT2-R	GACAGTACTATCGATGGATCCTATGCTTGGTCTCACATTAAGC	BiFC
YFP-C-SICAT1-F	GAGAACACGGGGGACTCTAGAATGGATCCCTCTAAGTATCGC	BiFC
YFP-C-SICAT1-R	GACAGTACTATCGATGGATCCCATTTGTAGGCTTCACAGTGAG	BiFC
YFP-N-p27-F	AGAACACGGGGGGACTCTAGAATGGAGGTCGTGTACAATTC	BiFC
YFP-N-p27-R	GACAGTACTATCGATGGATCCAATATAATAATTTGAGACTCTT	BiFC
2-PROKII-p27-F	ACGGGGGACTCTAGAGGATCCATGGAGGTCGTGTACAATTC	subcellular localization, Co-IP
2-PRROKII-p27-R	GCCCTTGCTCACCATGGTACCAATATAATAATTTGAGACTCTT	
SICAT1-Mcs-dsRed-F	CTCTCTACAAGATCTATGGATCCCTCTAAGTATCGCC	subcellular localization
SICAT1-Mcs-dsRed-R	CAGAATTCGAAGCTTTCATTGTAGGCTTCACAGTGAGA	
SICAT2-Mcs-dsRed-F	CTCTCTACAAGATCTATGGATCCTTACAAGTACCGTC	subcellular localization
SICAT2-Mcs-dsRed-R	CAGAATTCGAAGCTTTTATGCTTGGTCTCACATTAAGC	
pGD-SICAT1-Flag-F	CGAATTCTGCAGTCGACGATGGATCCCTCTAAGTATCGCC	Co-IP
pGD-SICAT1-Flag-R	TCTAGATCCGGTGGATCCTCACATTGTAGGCTTCACAGTGAG	Co-IP

pGD-SICAT2-Flag-F	CGAATTCTGCAGTCGACGATGGATCCTTACAAGTACCGTC	Co-IP
pGD-SICAT2-Flag-R	TCTAGATCCGGTGGATCCTCATATGCTTGGTCTCACATTAAGC	Co-IP
TRV-NbCAT1-F	AAGGTTACCGAATTCTCTAGACGAGGAGATCGACTACTTCC	VIGS
TRV-NbCAT1-R	CGTGAGCTCGGTACCGGATCCTTAAGCCTAGAAGCAAGCTT	
TRV-NbCAT2-F	AAGGTTACCGAATTCTCTAGATATCCCGAGTGGAAGTCT	VIGS
TRV-NbCAT2-R	CGTGAGCTCGGTACCGGATCCAAGCTGCATATAGTTTGGTCC	
NbCAT1-F	ATGGATCCATACAAGTATCGTC	RT-PCR detection
NbCAT1-R	TCATATGCTTGGTCTCACATTA	
NbCAT2-F	TATCCCGAGTGGAAGTCT	RT-PCR detection
NbCAT2-R	AAGCTGCATATAGTTTGGTCC	
ToCV p27-F	ATGGAGGTCGTGTACAATTCAG	RT-PCR detection
ToCV p27-R	TCAAATATAATAATTTGAGACT	
ToCV CP-F	ATGGAGAACAGTGCTGTTGCAA	RT-PCR detection
ToCV CP-R	TTAGCAACCAGTTATCGATGCA	
SICAT1-F	ATGGATCCCTCTAAGTATCGCC	RT-PCR detection
SICAT1-R	TCACATTGTAGGCTTCACAGTG	
35S-F	GACGCACAATCCCACTATCC	RT-PCR detection
NOS-R	GATAATCATCGCAAGACCGG	
RT-qNbCAT1-F	GTTCTACACCAGAGAGGGAAAC	qRT-PCR
RT-qNbCAT1-R	GACCATGTCAGGGAACTTCAT	
RT-qNbCAT2-F	TTTGATCCTCTTGATGTAAC	qRT-PCR
RT-qNbCAT2-R	TCAGCATACGCAATATCC	
RT-qToCVCP-F	CCGTTAGATGATGGCGTAGATG	qRT-PCR
RT-qToCVCP-R	GCCCAACTGGAAGATCGATTAG	
RT-qPVXCP-F	CAGGGTCAACTACCTCAACTAC	qRT-PCR
RT-qPVXCP-R	GGCACGAGCTGTACTAAAGAA	
p27-QATG-F	GAGGTCGTGTACAATTCAGACG	qRT-PCR
p27-QTGA-R	AATATAATAATTTGAGACTCTT	
RT-qPVX97-F	CTGCTGCCTTTGTGAAGATTAC	qRT-PCR
RT-qPVX97-R	GTTGTTCCAGTGATACGACCT	
EF-1 α -F	TGAGATGCACCACGAAGCTC	qRT-PCR
EF-1 α -R	CCAACATTGTCACCAGGAAGTG	
