

Single amino acid in V2 encoded by TYLCV is responsible for its self-interaction, aggregates and pathogenicity

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Supplementary information Supplementary Table S1

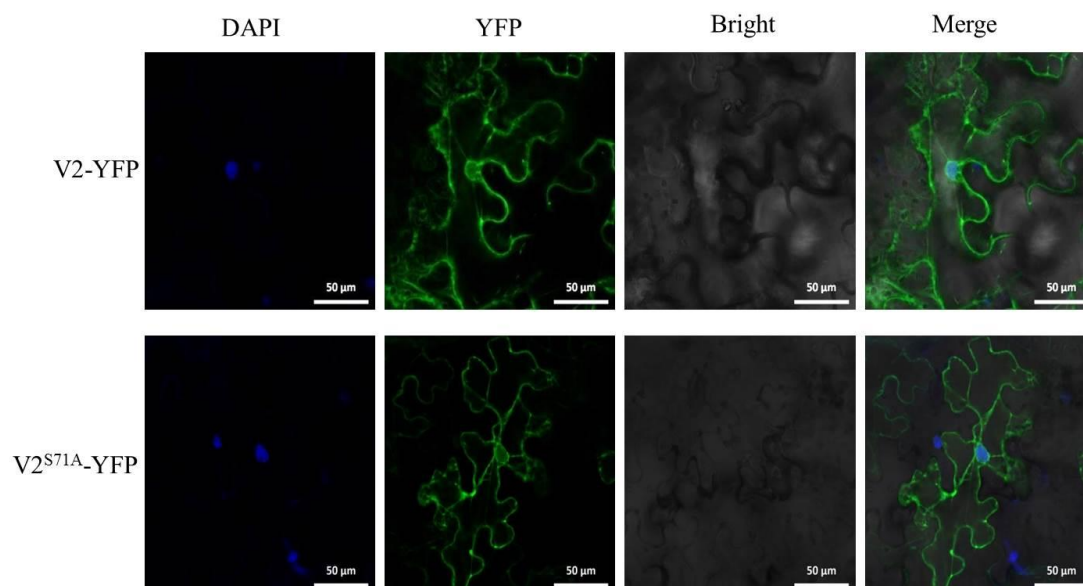
	Designation	Sequence(5' to 3')	Assay
1	TY-V2-F-AB	CGCCATATGATGTGGGATCCACTTCTAAAT	AD-V2, BD-V2, AD-V2-M1, AD-V2-M2, AD-V2-M3, AD-V2 ^{G70A} , AD-V2 ^{S71A} , AD-V2 ^{K73A}
2	TY-V2-R-AB	CGGAATTCTCAGGGCTTCGATACATTCT	AD-V2, BD-V2, AD-V2-M4, AD-V2-M6, AD-V2-M9, AD-V2 ^{G70A} , AD-V2 ^{S71A} , AD-V2 ^{K73A}
3	TY-V2-R-AB-180	CGGAATTCTCGCCTGGTCGCTTCGAC	AD-V2-M3
4	TY-V2-R-AB-234	CGGAATTCCTGTCTGAAGTTCAGCCTTC	AD-V2-M2, AD-V2-M8
5	TY-V2-R-AB-309	CGGAATTCATGGGCCTGTACGTCCAT	AD-V2-M1, AD-V2-M5, AD-V2-M7
6	TY-V2-F-AB-170	CGCCATATGTATAATCATTTCACGCCCG	AD-V2-M4, AD-V2-M5, AD-V2-M8
7	TY-V2-F-AB-116	CGCCATATGCCCATACAGCAGCCGTGC	AD-V2-M6, AD-V2-M7
8	TY-V2-F-AB-42	CGCCATATGGTACCGGAAGCCCAGAATA	AD-V2-M9
9	V2-bgF	GAAGATCTATGTGGGATCCACTTCTAAAT	V2-YFP, pV2-YFP ^N , pV2-YFP ^C , V2 ^{S71A} -YFP, pV2 ^{S71A} -YFP ^N

10	V2-bgR	GAAGATCTGGGCTTCGATACATTCTGTAT	V2-YFP, pV2-YFP ^N , pV2-YFP ^C , V2 ^{S71A} -YFP, pV2 ^{S71A} -YFP ^N , FLAG-V2
11	TY-V2-F-Cla	CCATCGATTGTGGGATCCACTTCTAAAT	pGR-V2, pGR-V2 ^{S71A}
12	TY-V2-R	GCGTCGACTCAGGGCTTCGATACATTCT	pGR-V2, pGR-V2 ^{S71A}
13	FLAG-V2-F	GAAGATCTATGGATTACAAGGATGATGATGAT AAGTGGGATCCACTTCTAAATG	FLAG-V2
14	TY-1A-F	GGGGTACCACTTCTAAATGAATTCCTGAATC TG	1A, 1A-S71A
15	TY-1A-R	CGGGATCCCACATAGTGCAAGACAAACT	1A, 1A-S71A

Supplementary Figure S1 Subcellular localization of V2 and V2^{S71A}. Bars: 50 μ m.

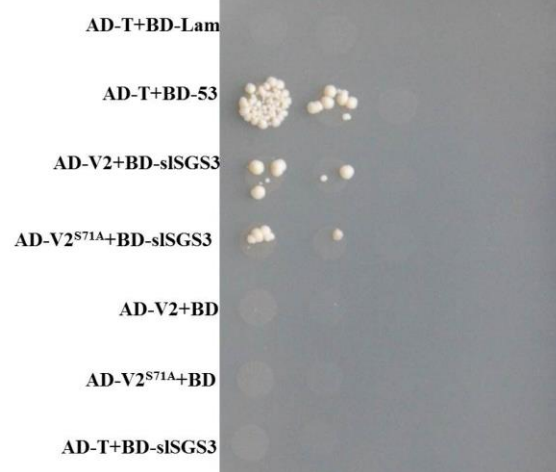
Supplementary Figure S2 Effects of mutants on the interactions of V2 with sISGS3 and CYP1. (a) Co-expressing V2 or V2^{S71A} and sISGS3, yeast transformants can grow on an SD/-His/-Leu/-Trp medium. (b) Co-expressing V2 or V2^{S71A} and sCYP1, yeast transformants can grow on an SD/-His/-Leu/-Trp medium.

Supplementary Figure S1



Supplementary Figure S2

a



b

