

Table S1: Accession numbers for the viral genomes and proteins used in this study.

Virus name	Accr.	Genome	MP	RdRp	CP
Tymovirus					
<i>Anagyris vein yellowing virus</i>	AVYV	NC_011559.1	YP_002308577.1	YP_002308578.1	YP_002308579.1
<i>Andean potato latent virus</i>	APLV	NC_020470.1	YP_007517179.1	YP_007517180.1	YP_007517181.1
<i>Andean potato mild mosaic virus</i>	APMMV	NC_020471.1	YP_007517182.1	YP_007517183.1	YP_007517184.1
<i>Asclepias asymptomatic virus</i>	AAV	NC_015523.1	YP_004464923.1	YP_004464924.1	YP_004464925.1
<i>Belladonna mottle virus</i>	BMV				YP_009508097.1
<i>Cacao yellow mosaic virus</i>	CYMV				YP_009508099.1
<i>Calopogonium yellow vein virus</i>	CaYVV				AAC58458.1
<i>Cassia yellow mosaic-associated virus</i>	CYMAV				AEX10524.1
<i>Chayote mosaic virus</i>	CMV	NC_002588.1	NP_067736.1	NP_067737.1	NP_067738.1
<i>Chiltepin yellow mosaic virus</i>	ChYMV	NC_014127.1	YP_003620400.1	YP_003620401.1	YP_003620402.1
<i>Clitoria yellow vein virus</i>	CIYVV				YP_009505640.1
<i>Desmodium yellow mottle virus</i>	DeYMV				YP_009505641.1
<i>Diascia yellow mottle virus</i>	DiYMV	NC_011086.1	YP_002048672.1	YP_002048673.1	YP_002048674.1
<i>Dulcamara mottle virus</i>	DMV	NC_007609.1	YP_406374.1	YP_406375.1	YP_406376.1
<i>Eggplant mosaic virus</i>	EMV	NC_001480.1	NP_040967.1	NP_040968.1	NP_040969.1
<i>Erysimum latent virus</i>	ELV	NC_001977.1	NP_047919.1	NP_047920.1	NP_047921.1
<i>Kennedya yellow mosaic virus</i>	KYMV	NC_001746.1	NP_044327.1	NP_044328.1	NP_044329.1
<i>Mertensia leaf curl virus</i>	MLCV				ACN62330.1
<i>Naranjilla chlorotic mosaic virus</i>	NCMV	MG323924.1	AUR53411.1	AUR53413.1	AUR53412.1
<i>Nemesia ring necrosis virus</i>	NRNV	NC_011538.1	YP_002308441.1	YP_002308442.1	YP_002308443.1
<i>Okra mosaic virus</i>	OMV	NC_009532.1	YP_001285471.1	YP_001285472.1	YP_001285473.1
<i>Ononis yellow mosaic virus</i>	OYMV	NC_001513.1	NP_041256.1	NP_041257.1	NP_041258.1
<i>Passion fruit yellow mosaic virus</i>	PFYMV	KY823429.1	AVW89219.1	AVW89220.1	AVW89221.1
<i>Petunia vein banding virus</i>	PVBV				YP_009664769.1
<i>Physalis mottle virus</i>	PhMV	NC_003634.1	NP_619755.1	NP_619756.1	NP_619757.1
<i>Plantago mottle virus</i>	PIMV	NC_011539.1	YP_002308444.1	YP_002308445.1	YP_002308446.1
<i>Scrophularia mottle virus</i>	SMV	NC_011537.1	YP_002308438.1	YP_002308439.1	YP_002308440.1
<i>Tomato blistering mosaic virus</i>	TBMV	NC_021851.1	YP_008318041.1	YP_008318042.1	YP_008318043.1
<i>Tomato yellow blotch virus</i>	TYBV	EU779803.2	AEP40394.1	AEP40395.1	ACI96295.1
<i>Turnip yellow mosaic virus</i>	TYMV	NC_004063.1	NP_663296.1	NP_663297.1	NP_663298.1
<i>Ullucus tymovirus 1</i>	UTV1	MH645153.1	AZF99026.1	AZF99027.1	AZF99028.1
<i>Ullucus tymovirus 2</i>	UTV2	MH645152.1	AZF99023.1	AZF99024.1	AZF99025.1
<i>Watercress white vein virus</i>	WWVV	JQ001816.1	AFC95825.1	AFC95826.1	AFC95827.1
<i>Wild cucumber mosaic virus</i>	WCMV				YP_009664771.1
Marafivirus					
<i>Grapevine asteroid mosaic associated virus</i>	GAMAV	NC_031692.1		YP_009315883.1	YP_009315885.1
<i>Oat blue dwarf virus</i>	OBDV	NC_001793.1		NP_044447.1	NP_044448.1
Maculavirus					
<i>Grapevine Red Globe virus</i>	GRGV	MZ344581.1		UCJ01162.1	UCJ01163.1
<i>Fig fleck-associated virus</i>	FFAV	NC_015229.1		YP_004300278.1	YP_004300303.1

Table S2: Host range of AYMV based on sap inoculations.

Species	Symptoms		RT-PCR
	Local	Systemic	
<i>Solanaceae</i>			
<i>Nicotiana benthamiana</i>	ns	ns	-
<i>Nicotiana tabacum</i> var. Xanthi	ns	ns	-
<i>Nicotiana occidentalis</i>	ns	ns	-
<i>Nicotiana clevelandii</i>	ns	ns	-
<i>Solanum lycopersicum</i>	ns	ns	nt
<i>Solanum melongena</i>	ns	ns	nt
<i>Chenopodiaceae</i>			
<i>Chenopodium amaranticolor</i>	ns	ns	-
<i>Chenopodium quinoa</i>	ns	ns	-
<i>Malvaceae</i>			
<i>Abelmoschus esculentus</i> (okra)	ns	CL, VY, PGM	+
<i>Alcea rosea</i> var. Majorette	CS	CL	+
<i>Gossypium</i> sp. (cotton)	ns	CL, PGM	+
<i>Hibiscus trionum</i> var. Naralis	Ns	CL	+
<i>Lavatera trimestris</i>	CS	CL, N	+
<i>Malva moschata</i>	CS	CL, N	+
<i>Malva sylvestris</i>	ns	CL, VY, N	+
<i>Brassicaceae</i>			
<i>Brassica rapa</i> ssp. <i>chinensis</i>	ns	ns	-
<i>Sinapis alba</i>	ns	ns	nt
<i>Amaranthaceae</i>			
<i>Atriplex hortensis</i>			
<i>Beta vulgaris</i>	ns	ns	nt
<i>Beta macrocarpa</i>	ns	ns	nt
<i>Cucurbitaceae</i>			
<i>Cucumis sativus</i>	ns	ns	nt
<i>Euphorbiaceae</i>			
<i>Mercurialis annua</i>	ns	ns	nt
<i>Lamiaceae</i>			
<i>Agastache mexicana</i>	ns	ns	nt
<i>Fabaceae</i>			
<i>Vicia faba</i>	ns	ns	nt
<i>Phaseolus vulgaris</i>	ns	ns	nt
<i>Asteraceae</i>			
<i>Lactuca sativa</i>	ns	ns	nt
<i>Poaceae</i>			
<i>Hordeum vulgare</i>	ns	ns	nt
<i>Zea mays</i>	ns	ns	nt

ns : no symptom; NS: necrotic spots; CL: chlorotic lesions; CS: chlorotic spots; VY: vein yellowing; PGM: pale green mottling, N: necrosis.