Table S1: Proposed taxonomy of plant viruses (*Alphaflexiviridae*). International Committee on Taxonomy of Viruses (2024, MSL #40)

Order	Family	Genus	Subgenus	Species	GenBank Accession Number (Example)	virus name	Virus name abbreviation
Tymovirales	*Alphaflexiviridae*	*Allexivirus*	*Acarallexivirus*	*Allexivirus alphallii*	NC_003375.1	garlic virus A	GarVA
		Allexivirus	*Acarallexivirus*	*Allexivirus betallii*	NC_025789.1	garlic virus B	GarVB
		Allexivirus	*Acarallexivirus*	*Allexivirus chiallii*	NC_003376.1	garlic virus C	GarVC
		Allexivirus	*Acarallexivirus*	*Allexivirus deltallii*	NC_022961.1	garlic virus D	GarVD
		Allexivirus	*Acarallexivirus*	*Allexivirus epsalii*	NC_004012.1	garlic virus E	GarVE
		Allexivirus	*Acarallexivirus*	*Allexivirus ecsallii*	NC_001800.1	garlic virus X	GarVX
		Allexivirus	*Acarallexivirus*	*Allexivirus ecsascalonicum*	NC_003795.1	shallot virus X	ShVX
		Allexivirus	/	*Allexivirus sigmamedicagonis*	NC_034622.1	Alfalfa virus S	AVS
		Allexivirus	/	*Allexivirus pintoi*	NC_032104.1	Arachis pintoi virus	ApV
		Allexivirus	/	*Allexivirus epsilonrubi*	NC_015706.1	blackberry virus E	BVE
		Allexivirus	/	*Allexivirus filumallii*	NC_038864.1	garlic mite-borne filamentous virus	GarMbFV
		Allexivirus	/	*Allexivirus sennae*	NC_076419.1	Senna severe yellow mosaic virus	SSYMV
		Allexivirus	/	*Allexivirus latensvanillae*	NC_035204.1	Vanilla latent virus	VLV
		Botrexvirus	/	*Botrexvirus ecsbotrytis*	NC_005132.1	botrytis virus X	BotVX
		Lolavirus	/	*Lolavirus latenslolii*	NC_010434.1	lolium latent virus	LoLV
		Platypuvirus	/	*Platypuvirus asinorchis*	NC_022894.1	donkey orchid symptomless virus	DOSV
		Potexvirus	*Mandarivirus*	*Potexvirus citriflavimaculae*	OR251442.1	citrus yellow mottle-associated virus	CiYMaV
		Potexvirus	*Mandarivirus*	*Potexvirus citriflavivenae*	NC_026592.1	citrus yellow vein clearing virus	CYVCV
		Potexvirus	*Mandarivirus*	*Potexvirus citrindicum*	NC_003093.1	Indian citrus ringspot virus	ICRSV
		Potexvirus	/	*Potexvirus ecsallii*	NC_012211.2	allium virus X	AVX
		Potexvirus	/	*Potexvirus ecsalstroemeriae*	NC_007408.1	alstroemeria virus X	AlsVX
		Potexvirus	/	*Potexvirus alternantherae*	NC_007731.1	alternanthera mosaic virus	AltMV
		Potexvirus	/	*Potexvirus nesignambrosiae*	NC_055542.1	Ambrosia asymptomatic virus 1	AAV1
		Potexvirus	/	*Potexvirus triasparagi*	NC_003400.1	asparagus virus 3	AV3
		Potexvirus	/	*Potexvirus babaci*	NC_036587.1	Babaco mosaic virus	BabMV
		Potexvirus	/	*Potexvirus bambusae*	NC_001642.1	bamboo mosaic virus	BaMV
		Potexvirus	/	*Potexvirus ecscacti*	NC_002815.2	cactus virus X	CVX
		Potexvirus	/	*Potexvirus colombiense*	NC_076132.1	Cassava Colombian symptomless virus	CsCSV
		Potexvirus	/	*Potexvirus marmormanihotis*	NC_001658.1	cassava common mosaic virus	CsCMV
		Potexvirus	/	*Potexvirus ecsmanihotis*	NC_034375.1	cassava virus X	CsVX
		Potexvirus	/	*Potexvirus flavitrifolii*	NC_001753.1	clover yellow mosaic virus	ClYMV
		Potexvirus	/	*Potexvirus ecscnidii*	NC_055546.1	Cnidium virus X	CnVX
		Potexvirus	/	*Potexvirus cymbidii*	NC_001812.1	cymbidium mosaic virus	CymMV
		Potexvirus	/	*Potexvirus flavimaculae*	NC_055574.1	Euonymus yellow mottle associated virus	EYMaV
		Potexvirus	/	*Potexvirus flavivenae*	NC_035190.1	Euonymus yellow vein virus	EYVV
		Potexvirus	/	*Potexvirus setariae*	NC_001483.1	foxtail mosaic virus	FoMV
		Potexvirus	/	*Potexvirus ecshostae*	NC_011544.1	hosta virus X	HVX
		Potexvirus	/	*Potexvirus hydrangeae*	NC_006943.1	hydrangea ringspot virus	HdRSV
		Potexvirus	/	*Potexvirus lagenariae*	NC_006943.1	lagenaria mild mosaic virus	LMMV
		Potexvirus	/	*Potexvirus ecslactucae*	NC_010832.1	lettuce virus X	LeVX
		Potexvirus	/	*Potexvirus ecslilii*	NC_007192.1	lily virus X	LVX
		Potexvirus	/	*Potexvirus malvae*	NC_008251.1	malva mosaic virus	MalMV
		Potexvirus	/	*Potexvirus ecsmenthae*	NC_006948.1	mint virus X	MVX
		Potexvirus	/	*Potexvirus narcissi*	NC_001441.1	narcissus mosaic virus	NMV
		Potexvirus	/	*Potexvirus ecsnerinis*	NC_007679.1	nerine virus X	NVX
		Potexvirus	/	*Potexvirus ecsopuntiae*	NC_006060.1	opuntia virus X	OpVX
		Potexvirus	/	*Potexvirus papayae*	NC_001748.1	papaya mosaic virus	PapMV
		Potexvirus	/	*Potexvirus pepini*	NC_004067.1	pepino mosaic virus	PepMV
		Potexvirus	/	*Potexvirus ecsphaii*	NC_010295.1	phaius virus X	PhVX
		Potexvirus	/	*Potexvirus ecspitayae*	NC_024458.1	Pitaya virus X	PiVX
		Potexvirus	/	*Potexvirus marmorplantagonis*	NC_003849.1	plantago asiatica mosaic virus	PlAMV
		Potexvirus	/	*Potexvirus ecsplantagonis*	NC_028649.1	plantain virus X	PlVX
		Potexvirus	/	*Potexvirus marmoraucuba*	NC_003632.1	potato aucuba mosaic virus	PAMV
		Potexvirus	/	*Potexvirus ecspotati*	NC_003632.1	potato virus X	PVX
		Potexvirus	/	*Potexvirus ecschlumbergerae*	NC_011659.1	schlumbergera virus X	SchVX
		Potexvirus	/	*Potexvirus marmorsennae*	NC_030746.1	Senna mosaic virus	SenMV
		Potexvirus	/	*Potexvirus fragariae*	NC_003794.1	strawberry mild yellow edge virus	SMYEV
		Potexvirus	/	*Potexvirus marmordioscoreae*	NC_016003.1	tamus red mosaic virus	TRMV
		Potexvirus	/	*Potexvirus ecstulipae*	NC_004322.1	tulip virus X	TVX
		Potexvirus	/	*Potexvirus ecsthalassiae*	NC_040644.1	Turtle grass virus X	TGVX
		Potexvirus	/	*Potexvirus ecsvanillae*	NC_040644.1	Vanilla virus X	VaVX
		Potexvirus	/	*Potexvirus trifolii*	NC_003820.1	white clover mosaic virus	WClMV
		Potexvirus	/	*Potexvirus ecsdioscoreae*	NC_025252.1	yam virus X	YVX
		Potexvirus	/	*Potexvirus eczygocacti*	NC_006059.1	zygocactus virus X	ZyVX
		Sclerodarnavirus	/	*Sclerodarnavirus sclerotiniae*	NC_007415.1	Sclerotinia sclerotiorum debilitation-associated RNA virus	SsDRV