

Supplemental Table 1. A list of plant virus resistance genes showing dominant inheritance.

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Arabidopsis thaliana</i>	Arabidopsis	<i>Turnip mosaic virus</i>	Potyvirus	<i>TuNI</i>	systemic lethal necrosis	CAPS	(95)
<i>Beta vulgaris</i>	Sugar beet	<i>Beet mosaic virus</i>	Potyvirus	<i>Bm</i>			(115)
		<i>Beet necrotic yellow vein virus</i>	Furovirus	<i>Rz1, Rz2</i>			(4)
<i>Brassica campestris</i>	Chinese cabbage	<i>Turnip mosaic virus</i>	Potyvirus	2 genes			(172)
<i>Brassica napus</i>	Turnip	<i>Turnip mosaic virus</i>	Potyvirus	<i>TuRB01, TuRB01a, TuRB02, TuRB03, TuRB04, TuRB04, TuRB05</i>	ER: <i>TuRB01, TuRB03, TuRB04</i> HR: <i>TuRB05</i> Partial resistance: <i>TuRB02</i>	<i>TurB01</i> : RFLP; <i>TurB02</i> : RFLP; <i>TurB03</i> : RFLP, AFLP, SSR	(84, 85, 88, 210)
<i>Brassica napus</i>		<i>Turnip mosaic virus</i>	Potyvirus	Monogenic	ER		(172)
<i>Brassica napus</i>		<i>Turnip mosaic virus</i>	Potyvirus	<i>Tum</i>			(172)
<i>Brassica rapa</i>	Chinese cabbage	<i>Turnip mosaic virus</i>	Potyvirus	<i>TuRBO1</i>	ER		(84, 114, 116, 209)
<i>Capsicum annuum</i>	Pepper	<i>Cucumber mosaic virus</i>	Cucumovirus	Polygenic		QTL mapped	(14, 27, 68, 145)
		<i>Tobacco mosaic virus</i>	Tobamovirus	<i>L<sup>1</sup></i>			(21, 82)
		<i>Potato Y virus</i>	Potyvirus	<i>Pvr4</i>	Complete resistance	AFLP, CAPS	(28, 47, 66)
		<i>Pepper mottle virus</i>	Potyvirus	<i>Pvr4, Pvr7</i>	Complete resistance	AFLP, CAPS	(28, 47, 66)
		<i>Tomato spotted wilt virus</i>	Tospovirus	<i>Tsw</i>	HR	RFLP, RAPD, CAPS	(86, 137, 138)
<i>Capsicum chinense</i>	Pepper	<i>Tobacco mosaic virus</i>	Tobamovirus	<i>L<sup>2</sup></i>			(37, 82)
<i>Capsicum frutescens</i>	Pepper	<i>Tobacco etch virus</i>	Potyvirus	<i>L<sup>3</sup></i>			(18, 82)
<i>Cucubita moschata</i>	Squash, Pumpkin	<i>Cucumber mosaic virus</i>	Cucumovirus	<i>Cmv</i>			(24)
		<i>Watermelon mosaic virus</i>	Potyvirus	<i>Wmv</i>	No symptoms		(24, 61)
<i>Cucumis anguria</i>		<i>Cucumber green mottle mosaic virus</i>	Tobamovirus	<i>Cgm(3)</i>			(39)
<i>Cucumis melo</i>	Melon	<i>Melon necrotic spot virus</i>	Potyvirus	<i>Mnr1, Mnr2</i>	Cell-to-cell movement		(121, 122)
		<i>Muskmelon yellows virus</i>	Closterovirus	Monogenic			(118)
		<i>Papaya ring spot virus</i>	Potyvirus	<i>Wmv-1, Wmv-1<sup>2</sup></i>			(5)
		<i>Cucumber mosaic virus</i>	Cucumovirus	Monogenic/polygenic	Polygenic: partial resistance	CMV-B2: RAPD	(109, 160)
<i>Cucumis sativus</i>	Cucumber	<i>Zucchini yellow mosaic virus</i>	Potyvirus	<i>Zym</i>	No symptoms	RAPD	(5, 35, 69, 161)
		<i>Papaya ring spot virus</i>	Potyvirus	<i>Wmv1-1, Prsv-2</i>	Tolerance (free of symptoms, but high PRSV-W titers existed)		(70, 208)
<i>Dioscorea rotundata</i>	white yam	<i>Yam mosaic virus</i>		<i>Ymv-1</i>	Resistance	RAPD	(135)

Supplemental Table 1 (continued)

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Glycine max</i>	Soybean	<i>Cowpea chlorotic mottle virus</i>	Bromovirus	<i>Rcv</i>	HR		(63)
		<i>Peanut mottle virus</i>	Potyvirus	<i>Rpv 1, Prmv</i> (incomplete dominance)			(25)
		<i>Soybean mosaic virus</i>	Potyvirus	<i>Rsv1, Rsv3, Rsv4</i>			<i>Rsv1</i> : HR
<i>Hordeum vulgare</i>	Barley	<i>Barley stripe mosaic virus</i>	Hordeivirus	<i>Rrs-1</i>	Replication	RFLP ABC455	(50, 228)
		<i>Barley yellow dwarf virus</i>	Luteovirus	<i>Yd2</i>	Reduced accumulation	PCR-marker	(54)
		<i>Barley yellow mosaic virus</i>	Potyvirus	<i>Rym14</i>		STS, AFLP, RFLP, SNP	(30, 142, 180)
		<i>Barley yellow dwarf virus</i>	Luteovirus	<i>Ryd2 (Yd2)</i> <i>Ryd3</i> Polygenic	<i>Yd2</i> : Tolerance; <i>Ryd3</i> : Resistance	<i>Yd2</i> : AFLP, PCR marker <i>Ryd3</i> : AFLP, SSR, CAPS; QTL- AFLPs	(29, 32, 38, 87, 108, 120, 144, 149, 151)
<i>Lactuca saligna</i>	Willowleaf lettuce	<i>Cucumber mosaic virus</i>	Cucumovirus	<i>Rsv, Rsv2</i>	Systemic resistance		(49, 173)
<i>Lactuca sativa</i>	Lettuce	<i>Turnip mosaic virus</i>	Potyvirus	<i>Tu</i>		RAPD	(176)
<i>Nicotiana glutinosa</i>	Tobacco	<i>Tobacco mosaic virus</i>	Tobamovirus	<i>N</i>	Cell-cell movement	Cloned	(9, 44, 45, 214)
<i>Nicotiana sp.</i>		<i>Cucumber mosaic virus</i>	Cucumovirus	Monogenic			(131)
<i>Nicotiana sylvestris</i>		<i>Tobacco mosaic virus</i>	Tobamovirus	<i>N'</i>			(182)
<i>Nicotiana tabacum</i>		<i>Cucumber mosaic virus</i>	Cucumovirus	2 genes			(202)
		<i>Tobacco vein mottling virus</i>	Potyvirus	Multigenic	Partial resistance, tolerance		(110)
<i>Oryza sativa</i>	Rice	<i>Rice black-streaked dwarf virus</i>	Fijivirus	Monogenic			(91)
		<i>Rice hoja blanca virus</i>	Tenuivirus	Monogenic			(13)
		<i>Rice stripe virus</i>	Tenuivirus	Polygenic		QTL	(119)
		<i>Rice yellow mottle virus</i>	Sobemovirus	Polygenic	Slower virus multiplication (partial resistance)	RFLP, QTL	(1, 2, 59, 117, 141, 162)
<i>Phaseolus vulgaris</i>	Common bean	<i>Bean common mosaic virus</i>	Potyvirus	<i>I</i>	ER, HR, phloem necrosis	RAPD, SCAR	(6, 33, 100, 104)
		<i>Alfalfa mosaic virus</i>	Alfamovirus	<i>Amv, Amv-2</i>	Escape to infection		(224)
		<i>Bean dwarf mosaic virus</i>	Begomovirus	<i>Bdm</i>	HR		(58, 186, 187, 195, 211)
		<i>Bean golden mosaic virus</i>	Begomovirus	<i>Bgp-1</i>	Normal pod formation		(177)
		<i>Bean yellow mosaic virus</i>	Potyvirus	<i>By, By-2</i>			(153, 185)
		<i>Blackeye cowpea mosaic virus</i>	Potyvirus	<i>Bcm</i>			(224)

Supplemental Table 1 (continued)

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Phaseolus vulgaris</i>	Common bean	<i>Broad bean wilt virus</i>	Fabavirus	Monogenic			(165)
		<i>Cowpea aphidborne mosaic virus</i>	Potyvirus	<i>Cam</i>			(171)
		<i>Passionfruit woodiness virus</i>	Potyvirus	<i>Pwv</i>	Systemic resistance	RAPD	(168)
		<i>Soybean mosaic virus</i>	Potyvirus	<i>Smv</i>	Systemic resistance		(106, 170)
		<i>Watermelon mosaic virus</i>	Potyvirus	<i>Wmv</i>			(163)
<i>Pisum sativum</i>	Pea	<i>Bean leafroll virus</i>	Luteovirus	<i>Lrv</i>	No symptoms (tolerance) /Systemic movement		(8, 103)
		<i>Pea enation mosaic virus</i>	Enamovirus	<i>Adh-1/ En</i>		RAPD	(212, 222)
		<i>Citrus tristeza virus</i>		<i>Ctv</i>		BAC clone	(220)
<i>Poncitrus trifoliata</i> L. Raf	Citrus						
<i>Rubus idaeus</i>	Raspberry	<i>Raspberry bushy dwarf virus</i>	Idaeovirus	<i>Bu</i>			(102, 200)
		<i>Raspberry ringspot virus</i>	Nepovirus	2 genes			(89)
		<i>Tomato blackring virus</i>	Nepovirus	2 genes			(89)
		<i>Sugarcane mosaic virus</i>	Potyvirus	Monogenic			(172)
<i>Saccharum spontaneum</i>	wild sugarcane						
<i>Solanum chacoense</i>		<i>Potato virus A</i>	Potyvirus	<i>Ny<sub>chc</sub></i>	HR		(31)
		<i>Potato virus Y</i>	Potyvirus	<i>Ry<sub>hou</sub></i>	ER		(31, 190, 191)
		<i>Potato virus Y</i>	Potyvirus	<i>Ry<sub>hou</sub></i>	ER		(190, 191)
		<i>Potato virus A</i>	Potyvirus	<i>Ry<sub>sto</sub></i> (= $R^1 = Ry$ ), <i>Ry<sub>sto</sub><sup>na</sup></i> (= $R^2$ ), <i>Ry<sub>sto</sub><sup>ma</sup></i> ( $R^3$ ), <i>Ry<sub>sto</sub><sup>n1</sup></i> (= $Ryn = Ny_{sto}^1$ ), <i>Ry<sub>sto</sub><sup>n2</sup></i> (= $R^5 =$ <i>Ny<sub>sto}^1</sub></i> ), <i>Na<sub>sto</sub></i> (= $R^6 =$ <i>Rym</i> ), <i>Ra</i> (= $Ra_{sto}$ )	ER, HR	RFLP	(67, 190, 191)
		<i>Potato virus V</i>	Potyvirus	<i>Ry<sub>sto</sub></i> (= $R^1 = Ry$ ), <i>Ry<sub>sto</sub><sup>na</sup></i> (= $R^2$ ), <i>Ry<sub>sto</sub><sup>ma</sup></i> ( $R^3$ ), <i>Ry<sub>sto</sub><sup>n1</sup></i> (= $Ryn = Ny_{sto}^1$ ), <i>Ry<sub>sto</sub><sup>n2</sup></i> (= $R^5 =$ <i>Ny<sub>sto}^1</sub></i> ), <i>Na<sub>sto</sub></i> (= $R^6 =$ <i>Rym</i> )	ER, HR	AFLP, RFLP	(67, 190, 191)
<i>Solanum stoloniferum</i>		<i>Potato virus Y</i>	Potyvirus	<i>Ry<sub>sto</sub></i> (= $R^1 = Ry$ ), <i>Ry<sub>sto</sub><sup>na</sup></i> (= $R^2$ ), <i>Ry<sub>sto</sub><sup>ma</sup></i> ( $R^3$ ), <i>Ry<sub>sto</sub><sup>n1</sup></i> (= $Ryn = Ny_{sto}^1$ ), <i>Ry<sub>sto</sub><sup>n2</sup></i> (= $R^5 =$ <i>Ny<sub>sto}^1</sub></i> ), <i>Na<sub>sto</sub></i> (= $R^6 =$ <i>Rym</i> )	ER, HR	AFLP, RFLP, PCR marker	(22, 53, 67, 133, 134, 190, 191)
<i>Solanum tuberosum</i>	Potato	<i>Potato leadroll virus</i>	Luteovirus	Polygenic		QTL mapped	(124, 125)
		<i>Potato virus S</i>	Carlavirus	<i>Ry<sub>sto</sub></i> , <i>Ry<sub>adg</sub></i>	No symptom	RFLP	(190, 191)
		<i>Potato virus V</i>	Potyvirus	<i>Nv<sub>tbr</sub></i> (= $Nv$ )	HR		(11, 190, 191)
		<i>Potato virus A</i>	Potyvirus	<i>Na<sub>tbr</sub></i> (= $Na$ )	HR		(31, 190, 191)
		<i>Potato virus X</i>	Potexvirus	<i>Rx</i>	ER, HR	Cloned	(15-17, 31, 190, 191)

Supplemental Table 1 (continued)

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Solanum tuberosum</i>	Potato	<i>Potato virus Y</i>	Potyvirus	<i>Ny<sub>tr</sub></i> (= <i>Ny</i> ) <i>Nc<sub>tr</sub></i> (= <i>Nc</i> )	HR, ER		(31, 190, 191)
<i>Solanum tuberosum</i> ssp. <i>andigena</i>		<i>Potato virus S</i>	Carlavirus	<i>Ny<sub>tr</sub></i> (= <i>Ny</i> ) <i>Nb<sub>tr</sub></i> (= <i>Nb</i> )	Symptomless, no viral accumulation, HR	ISSR, RFLP, STS, RAPD	(123, 126-129)
<i>Solanum lycopersicum</i>	Tomato	<i>Alfalfa mosaic virus</i> <i>Tobacco mosaic virus</i>	Alfamovirus Tobamovirus	<i>Am</i> <i>Tm-1</i> <i>Tm-2</i> , <i>Tm-2</i> <sup>2</sup>	ER Replication HR	AFLP, RFLP <i>Tm-2</i> <sup>2</sup> : cloned,	(154) (107, 155, 199, 219)
		<i>Tomato spotted wilt virus</i>	Tospovirus	<i>Sw-1a</i> , <i>Sw-1b</i>			(51, 52, 83)
		<i>Tomato yellow leaf curl virus</i>	Geminivirus	<i>Ty1</i>		RFLP	(73)
<i>Solanum hirsutum</i>		<i>Potato virus Y</i>	Potyvirus		ER (immune)		(198)
		<i>Peru tomato virus</i>	Potyvirus	Monogenic	Tolerance		(80)
		<i>Tomato yellow leaf curl virus</i>	Geminivirus	<i>Ty1</i> , <i>Ty2</i>		RFLP	(67, 73)
<i>Solanum peruvianum</i>		<i>Tomato chlorotic spot virus</i> <i>Tomato spotted wilt virus</i>		<i>Sw5</i> <i>Sw5</i> , <i>Sw6</i>	HR <i>Sw5</i> : Occasional HR <i>Sw6</i> : Partial resistance		(51, 52, 83) (23, 178, 192, 193)
		<i>Tomato yellow top virus</i>	Luteovirus		ER		(74-77)
<i>Solanum pimpinellifolium</i>		<i>Tomato yellow leaf curl virus</i>	Geminivirus	Multigenic	Tolerance		(10)
<i>Sorghum bicolor</i>	Sorghum	<i>Sugarcane mosaic virus</i>	Potyvirus	Monogenic			(172)
<i>Thinopyrum intermedium</i>	Wheatgrass	<i>Barley yellow dwarf virus</i>	Luteovirus	<i>Bdv2</i>		SSR, SCAR, RAPD, RFLP	(55, 194, 218, 225-227)
<i>Triticum aestivum</i>	Common wheat	<i>Barley yellow dwarf virus</i> <i>Wheat spindle streak mosaic virus</i> <i>Soil borne wheat mosaic virus</i>	Luteovirus Bymovirus Furovirus	<i>Bdv1</i> 2 genes Monogenic	Partial resistance		(189) (205) (136)
<i>Vicia faba</i>	Faba bean	<i>Bean yellow mosaic virus</i>	Potyvirus	<i>Bym-1</i> , <i>Bym-2</i>			(172)
<i>Vigna mungo</i>	Mung bean	<i>Mungbean yellow mosaic virus</i>	Geminivirus	Monogenic			(150)
<i>Vigna unguiculata</i>	Cowpea	<i>Cowpea chlorotic mottle virus</i> <i>Cowpea severe mosaic virus</i> <i>Cucumber mosaic virus</i> <i>Southernbean mosaic virus</i> <i>Tobacco ringspot virus</i>	Bromovirus Comovirus Cucumovirus Sobemovirus Nepovirus	Monogenic Three major genes monogenic	Resistance Systemic resistance		(19) (204) (188) (81) (41)
<i>Zea mays</i>	Maize	<i>Maize dwarf mosaicvirus</i> <i>Maize streak virus</i> <i>Sugarcane mosaic virus</i> <i>Wheat streak mosaic virus</i>	Potyvirus Mastrevirus Potyvirus Potyvirus	<i>Mdm-1</i> ( <i>Rdm-1</i> ) <i>Msv1</i> <i>Scmv1</i> , <i>Scmv2</i> <i>Wsm1</i>		QTL AFLP, RGA-CAPS, SCAR	(172) (213) (48, 132, 174, 215-217) (172)

Supplemental Table 2. Plant virus resistance genes showing recessive inheritance.

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References	
Scientific Name	Common Name							
<i>Apium graveolens</i>	Celery	<i>Celery mosaic virus</i>	Potyvirus	<i>cmv</i>	No systemic infection	PCR maker	(36, 181)	
<i>Arachis hypogaea</i>	Groundnut	<i>Groudnut rosette virus</i>	Umbravirus	2 genes	No symptoms		(148)	
		<i>Groundnut rosette assistor virus</i>	Luteovirus	2 genes			(148)	
<i>Brassica campestris ssp. Pekinensis</i>	Chinese cabbage	<i>Turnip mosaic virus</i>	Potyvirus	2 genes	Systemic		(172, 221)	
<i>Brassica oleracea ssp. Gemmifera</i>	Cabbage	<i>Turnip mosaic virus</i>	Potyvirus	4 genes	Systemic		(172)	
<i>Brassica rapa</i>	Turnip	<i>Turnip mosaic virus</i>	Potyvirus	monogenic/ multi alleles	Systemic		(84)	
<i>Capsicum annuum</i>	Pepper	<i>Pepper mottle potyvirus</i>	Potyvirus	<i>pvr1, pvr3</i>	<i>pvr1</i> : Cellular resistance <i>pvr3</i> : Movement		(105, 139, 140)	
		<i>Pepper veinal mottle virus</i>	Potyvirus	<i>pvr1<sup>2</sup>(=pvr2<sup>2</sup>), pvr6</i>			(26)	
		<i>Potato Y virus</i>	Potyvirus	<i>pvr1<sup>1</sup>(=pvr2<sup>1</sup>)</i>	<i>pvr1<sup>2</sup>, pvr5</i> ; Replication <i>pvr1<sup>1</sup>, pvr3</i> ; Movement	<i>pvr1<sup>1</sup>, pvr1<sup>2</sup></i> : cloned		(105, 179)
		<i>Tobacco etch virus</i>	Potyvirus	<i>pvr1<sup>1</sup>, pvr1<sup>1</sup>, pvr1<sup>2</sup>, pvr3</i>	<i>pvr2<sup>1</sup></i> ; Cell-to-cell movement; others: Replication			(40, 105, 139)
<i>Capsicum chinense</i>		<i>Pepper mottle potyvirus</i>	Potyvirus	<i>pvr1</i>	Replication	<i>pvr1</i> : cloned	(96, 139)	
		<i>Potato virus Y</i>	Potyvirus	<i>pvr1</i>	Replication		(20, 96, 105, 139)	
		<i>Tobacco etch virus</i>	Potyvirus	<i>pvr1</i>	Replication		(96, 105)	
<i>Citrullus lanatus</i>	Watermelon	<i>Zucchini yellow fleck virus</i>	Potyvirus	<i>zym</i>			(167)	
<i>Cucumis melo</i>	Melon	<i>Cucumber green mottle mosaic virus</i>	Tobamovirus	polygenes			(175)	
		<i>Cucumber mosaic virus</i>	Cucumovirus	3 genes			(98)	
		<i>Cucurbit aphid borne yellows virus</i>	Polerovirus	<i>cab-1, cab-2</i>	Systemic resistance			(46)
		<i>Melon necrotic spot virus</i>	Carmovirus	<i>nsv</i>	Resistance			(42, 43, 172)
		<i>Moroccan watermelon mosaic virus</i>	Potyvirus	<i>mwm</i>	No symptoms			(93)
		<i>Papaya ring spot virus</i>	Potyvirus	<i>prsv</i>	Reduced accumulation			(70)
		<i>Watermelon mosaic virus</i>	Potyvirus	<i>wmv-2</i>	No symptoms			(208)
		<i>Zucchini yellow fleck virus</i>	Potyvirus	<i>zyf</i>	Systemic resistance			(62)
<i>Cucurbita pepo</i>	Pumpkin	<i>Zucchini yellow mosaic virus</i>	Potyvirus	<i>zym</i> -Dina <i>zym</i> -TMG1	<i>zym</i> -Dina: Systemic <i>zym</i> -TMG1: No symptom		(94, 203)	
		<i>Cucumber mosaic virus</i>	Cucumovirus	two unlinked recessive genes	Failure to develop systemic symptoms		(157)	
<i>Glycine max</i>	Soybean	<i>Cowpea chlorotic mottle virus</i>	Bromovirus	2 genes	Inhibition of systemic movement		(63, 64)	

Supplemental Table 2 (continued)

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Hordeum vulgare</i>	Barley	<i>Barley mild mosaic virus</i>	Bymovirus	<i>rym1, rym2, rym4, rym5, rym7, rym8, rym9, rym11, rym12, rym13, rhym15</i>	<i>rym1, 2, 4, 5, and 11</i> : Complete resistance <i>rym 7, 8</i> : Partial resistance	RFLP, RAPD, AFLP, SSR, STS, CAPS, SNP	(12, 30, 97, 113, 147, 156)
		<i>Barley stripe mosaic virus</i>	Hordeivirus	<i>rsm1, rsm2, rsm3, rsm5</i>			(30)
		<i>Barley yellow mosaic virus</i>	Bymovirus	<i>rym1, rym2, rym3, rym4, rym5, rym8, rym10, rym11, rym12, rym13</i>	<i>rym1, 2, 3, 4, 5, and 11</i> ; Complete resistance <i>rym 7, 8, 10</i> : Partial resistance	SSR ( <i>rym4/5</i> ), RFLP, RAPD, AFLP, SSR, STS, CAPS, SNP	(30, 65, 146, 147, 156)
<i>Lactuca sativa</i>	Lettuce	<i>Barley yellow dwarf virus</i>	Luteovirus	<i>ryd1</i>	Tolerance		(196)
		<i>Beet western yellow virus</i>	Polerovirus	<i>bwy</i>	Reduced accumulation, symptomless, mild symptoms		(159)
		<i>Bidens mottle virus</i> <i>Lettuce mosaic virus</i>	Potyvirus Potyvirus	<i>bi</i> <i>mo1<sup>1</sup>, mo1<sup>2</sup>, mo3</i>	<i>mo1<sup>1</sup></i> : Replication <i>mo1<sup>2</sup></i> : Tolerance	cloned, CAPS markers	(229) (143, 158)
<i>Lens culinaris</i>	Lentil	<i>Pea seedborne mosaic virus</i>	Potyvirus	<i>sbv</i>			(172)
<i>Lolium perenne</i>	Perennial Ryegrass	<i>Ryegrass Mosaic Virus</i>	Rymovirus	2 genes	cell-cell movement		(172)
<i>Mathiola incana</i>	Alfalfa	<i>Turnip mosaic virus</i>	Potyvirus	<i>rm</i>			(172)
<i>Medicago sativa</i>		<i>Alfalfa mosaic virus</i>	Alfamovirus	<i>am-1</i>			(34)
<i>Nicotiana clevelandii</i>		<i>Cauliflower mosaic virus</i>		<i>ccd1</i>	Systemic cell death		(101)
<i>Nicotiana tabacum</i>	Tobacco	<i>Potato virus Y</i>	Potyvirus	<i>va</i>	Cell-to-cell movement		(130)
		<i>Tobacco etch virus</i>	Potyvirus	2 genes linked	Systemic movement		(184)
		<i>Tobacco vein mottling virus</i>	Potyvirus	<i>va</i>	Cell-cell movement		(60)
<i>Oryza glaberrima</i>	African rice	<i>Rice yellow mottle virus</i>	Sobemovirus	monogenic	Cell-to-cell movement	AFLP, CAPS, SSR	(3)
<i>Oryza sativa</i>	Rice	<i>Rice tungro spherical virus</i>	Waikavirus	<i>tsv-1, tsv-2</i>	Reduced infection		(7)
		<i>Rice yellow mottle virus</i>	Sobemovirus	monogenic	Cell-to-cell movement	AFLP, CAPS, SSR	(3)
<i>Phaseolus vulgaris</i>	Common bean	<i>Bean common mosaic virus</i>	Potyvirus	<i>bc-1, bc-1<sup>2</sup>, bc-2, bc-2<sup>2</sup>, bc-3, bc-u</i>		<i>bc1-2, bc3</i> : RAPD	(99)
		<i>Bean golden mosaic virus</i>	Begomovirus	<i>bgm-1, bgm-2</i>	Reduced symptom	OR2	(206)
		<i>Bean yellow mosaic virus</i>	Potyvirus	<i>cyv 1 (by-3)</i>			(153)
		<i>Clover yellow vein virus</i>	Potyvirus	<i>cyv, by-3</i>			(164)
		<i>Clover yellow vein virus</i>	Potyvirus	<i>desc</i>	Replication		(183)
		<i>Tobacco mosaic virus</i>	Tobamovirus	<i>tm</i>			(201)

Supplemental Table 2 (continued)

Plant host		Virus	Virus group	Resistance gene(s)	Reported Resistance Type	Linked Marker(s)	Selected References
Scientific Name	Common Name						
<i>Pisum sativum</i>	Pea	<i>Bean common mosaic virus</i>	Potyvirus	<i>bcm</i>	Systemic		(172)
		<i>Bean yellow mosaic virus</i>	Potyvirus	<i>mo</i>	No symptom, no systemic infection		(172)
		<i>Clover yellow vein virus</i>	Potyvirus	<i>cyv-1, cyv-2</i>			(164)
		<i>Passionfruit woodiness virus</i>	Potyvirus	<i>pww</i>	Complete resistance		(172)
		<i>Pea mosaic virus</i>		<i>pmv</i>			(166)
		<i>Pea seedborne mosaic virus</i>	Potyvirus	<i>sbm1 (=sbm4), sbm2, sbm3</i>	<i>sbm1</i> : Replication or cell-to-cell movement; others: no symptom	<i>sbm1</i> - cloned <i>sbm2</i> : LG II, <i>sbm3</i> : LG VI	(56, 57, 92, 169)
		<i>Watermelon mosaic virus</i>	Potyvirus	<i>mo</i>	Systemic resistance		(172)
		<i>White lupin mosaic virus (bean yellow mosaic virus)</i>	Potyvirus	<i>wlv</i>	Systemic resistance		(168)
<i>Rubus idaeus</i>	Raspberry	<i>Raspberry bushy dwarf virus</i>	Idaeovirus	monogenic	Complete resistance		(102, 168, 200)
<i>Solanum tuberosum</i>	Potato	<i>Potato virus A</i>	Potyvirus	<i>ra</i>	Systemic movement		(72)
<i>Solanum cheesmani</i>	Tomato	<i>Tomato yellow leaf curl virus</i>	Tospovirus	monogenic			(74)
<i>Solanum lycopersicum</i>		<i>Peru tomato mosaic virus</i>	Potyvirus	monogenic			(172)
		<i>Tobacco etch virus</i>	Potyvirus	monogenic			(172)
		<i>Tomato spotted wilt virus</i>	Tospovirus	<i>sw2, sw3, sw4</i>			(52)
		<i>Potato Y virus</i>	Potyvirus	<i>pot-1</i>	ER		(112, 152)
<i>Solanum hirsutum</i>		<i>Tobacco etch virus</i>	Potyvirus	<i>pot-1</i>	ER		(111, 152)
		<i>Tomato yellow leaf curl virus</i>	Begomovirus	2 or 3 genes	No symptoms		(207)
		<i>Bean yellow mosaic virus</i>	Potyvirus	<i>bym1, bym2</i>			(185)
<i>Vicia faba</i>	Broad Bean, Faba Bean, Horse Bean						
	Faba bean / lentil	<i>Bean leafroll virus</i>	Luteovirus		Slower replication and systemic movement		(103)
<i>Vigna mungo</i>	Mungbean	<i>Bean yellow mosaic virus</i>	Potyvirus	1 or 2 genes			(150)
<i>Vigna unguiculata</i>	Cowpea	<i>Blackeye cowpea mosaic virus</i>	Potyvirus	<i>bcm, blc</i>			(197)
		<i>Cowpea severe mosaic virus</i>	Comovirus	3 genes	No symptoms		(204)

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