

## Revised List of Monogenic Stocks

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The following catalogue lists 1,023 monogenic mutants, allozyme markers, disease resistance genes and other types of stocks at 625 putative genetic loci maintained by the TGRC at UC-Davis. This is a revision of the previous list, issued in TGC 55. Lists of available wild species and miscellaneous genetic stocks were last updated in TGC 56 and TGC 57, respectively. Certain obsolete or inactive items have been deleted, newly acquired stocks have been added, inaccuracies corrected, and gene symbols revised to reflect allele tests or other information. This stock list includes only accessions we consider to be the primary sources for individual mutations: usually the original stock in which the mutation was first described, as well as any nearly isogenic lines into which it has been bred. Most mutant stocks are homozygous and true-breeding. However, seed of the male-steriles, homozygous-inviable mutants, and other stocks that are difficult or impossible to maintain as homozygotes, must be propagated via heterozygotes. In these cases, seed are provided in the form of segregating F<sub>2</sub> or BC populations. Note: some accessions may be temporarily unavailable during seed regeneration.

Monogenic mutants acquired since the last edition of this stock list included the phytochrome mutant *phyB2* and cryptochrome mutant *cry-1*, both donated by Maarten Koornneef, and *ec* (exserted carpels) donated by Ernie Kerr.

Documented cases of allelism between mutants are incorporated into this list, and gene symbols revised accordingly. The mutant *Nr-2* (Neverripe-2) was determined by Cornelius Barry (Pl. Physiol. 138: 267-275) to be allelic to *Gr* (Green-ripe), thus is herein designated *Gr<sup>Nr-2</sup>*.

Additional information on individual stocks, including phenotypes, references, images, chromosomal locations, etc., can be obtained through our website (<http://tgrc.ucdavis.edu>). We ask that users report any problems they detect in our lines, such as aberrant segregation, incorrect phenotypes, unexpected variability, etc. TGC members are also encouraged to submit stocks of verified monogenic mutants not listed here to the TGRC for maintenance and distribution.

Table 1. List of monogenic stocks, ordered by gene symbol. For each locus, stocks containing the original mutant allele are listed first, followed by any additional alleles at the same locus ('prov' indicates a provisional allele). Older gene symbols (synonyms) for each allele are listed ('^' indicates superscript). Each mutant is assigned to one or more phenotypic categories (Class), defined in Table 2 ('\*' indicates the primary category for each allele). Background genotypes (Back.) of each stock are listed in abbreviated form, with full names given in Table 3. The origin of each mutation is specified as either spontaneous ('SPON'), or induced by chemical treatment ('CHEM') or irradiation ('RAD'). Isogenicity (Iso.) indicates whether the nonmutant control is available as an isogenic ('IL') or nearly isogenic ('NIL') line, or is nonisogenic ('NON').

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>a</i>		anthocyaninless	<i>a1</i>	A*	SPON	AC	NIL	LA3263
<i>a</i>		anthocyaninless	<i>a1</i>	A*	SPON	X	NON	LA0291
<i>a</i>	<i>prov2</i>	anthocyaninless	<i>a</i>	A*	CHEM	VF36	IL	3-414
<i>a</i>	<i>prov3</i>	anthocyaninless	<i>a</i>	A*	CHEM	VF36	IL	3-415
<i>aa</i>		anthocyanin absent		A*	SPON	MD	IL	LA1194
<i>aa</i>		anthocyanin absent		A*	SPON	AC	NIL	LA3617

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>Abg</i>		Aubergine		P*	SPON	X	NON	LA3668
<i>abi</i>		aborted inflorescence		M*	CHEM	CSM	NON	3-803
<i>Aco-1</i>	1	Aconitase-1		V*	SPON	pen	NON	LA2901
<i>Aco-1</i>	3	Aconitase-1		V*	SPON	pim	NON	LA2903
<i>Aco-2</i>	2	Aconitase-2		V*	SPON	chm	NON	LA2905
<i>acr</i>		acroxantha	<i>acr1</i>	D*JK	RAD	CR	IL	LA0933
<i>ad</i>		Alternaria alternata resistance		Q*	SPON	X	NON	LA1783
<i>Adh-1</i>	1	Alcohol dehydrogenase-1		V*	SPON	VCH	NON	LA2416
<i>Adh-1</i>	2	Alcohol dehydrogenase-1		V*	SPON	par	NON	LA2417
<i>Adh-1</i>	<i>n</i>	Alcohol dehydrogenase-1		V*	CHEM	MM	IL	LA3150
<i>Adh-2</i>	1	Alcohol dehydrogenase-2		V*	SPON	hir	NON	LA2985
<i>adp</i>		adpressa		K*J	RAD	CR	IL	LA0661
<i>adp</i>		adpressa		K*J	RAD	AC	NIL	LA3763
<i>adu</i>		adusta	<i>adu1</i>	H*K	RAD	CR	IL	LA0934
<i>ae</i>		entirely anthocyaninless	<i>a332</i>	A*	RAD	AC	NIL	LA3612
<i>ae</i>		entirely anthocyaninless	<i>a332</i>	A*	RAD	KK	IL	LA1048
<i>ae</i>		entirely anthocyaninless	<i>a332</i>	A*	RAD	CG	NIL	LA3018
<i>ae</i>	2	entirely anthocyaninless		A*	CHEM	UC82B	IL	3-706
<i>ae</i>	<i>afr</i>	entirely anthocyaninless	<i>afr, ap</i>	A*	RAD	CT	IL	LA2442
<i>ae</i>	<i>prov3</i>	entirely anthocyaninless	<i>ae</i>	A*	CHEM	VCH	IL	3-620
<i>aeg</i>		aegrota		H*	RAD	CR	IL	LA0537
<i>aer</i>		aerial roots		R*	SPON	X	NON	LA3205
<i>aer-2</i>		aerial roots-2		R*	SPON	X	NON	LA2464A
<i>af</i>		anthocyanin free	<i>a325</i>	A*I	RAD	AC	NIL	LA3610
<i>af</i>		anthocyanin free	<i>a325</i>	A*I	RAD	RCH	IL	LA1049
<i>afe</i>		afertilis	<i>afe1</i>	N*CJK	RAD	RR	IL	LA0935
<i>afl</i>		albifolium	<i>af</i>	B*G	SPON	XLP	IL	2-367
<i>afl</i>		albifolium	<i>af</i>	B*G	SPON	AC	NIL	LA3572
<i>Aft</i>		Anthocyanin fruit	<i>Af</i>	P*	SPON	X	NON	LA1996
<i>ag</i>		anthocyanin gainer		A*	SPON	GS5	NON	LA0177
<i>ag</i>		anthocyanin gainer		A*	SPON	AC	NIL	LA3163
<i>ag</i>	2	anthocyanin gainer		A*	SPON	AC	NIL	LA3164
<i>ag</i>	2	anthocyanin gainer		A*	SPON	che	NON	LA0422
<i>ag</i>	<i>k</i>	anthocyanin gainer		A*	SPON	T5	IL	LA3149
<i>ag</i>	<i>s</i>	anthocyanin gainer		A*	SPON	X	NON	LA4425
<i>ag-2</i>		anthocyanin gainer-2		A*	SPON	AC	NIL	LA3711
<i>ah</i>		Hoffman's anthocyaninless	<i>ao, a337</i>	A*	SPON	OGA	IL	LA0260
<i>ah</i>	<i>prov3</i>	Hoffman's anthocyaninless	<i>ah</i>	A*	CHEM	VCH	IL	3-607
<i>ah</i>	<i>prov4</i>	Hoffman's anthocyaninless	<i>ah</i>	A*	CHEM	VCH	IL	3-628
<i>ah</i>	<i>prov5</i>	Hoffman's anthocyaninless	<i>ah</i>	A*	CHEM	VCH	IL	3-629
<i>ah</i>	<i>prov6</i>	Hoffman's anthocyaninless	<i>ah</i>	A*	SPON	PSN	IL	LA0352
<i>ah</i>	<i>prov7</i>	Hoffman's anthocyaninless	<i>ah</i>	A*	CHEM	MM	IL	3-343
<i>ai</i>		incomplete anthocyanin	<i>a342</i>	A*	RAD	KK	IL	LA1484
<i>ai</i>		incomplete anthocyanin	<i>a342</i>	A*	RAD	AC	NIL	LA3611
<i>ai</i>	2	incomplete anthocyanin	<i>am, a340</i>	A*	RAD	KK	IL	LA1485
<i>al</i>		anthocyanin loser	<i>a2</i>	A*	SPON	AC	NIL	LA3576
<i>alb</i>		albescens		G*C	SPON	AC	NIL	LA3729
<i>alb</i>	<i>prov2</i>	albescens	<i>alb</i>	G*C	CHEM	VCH	IL	3-625
<i>alc</i>		alcobaca		P*	SPON	X	NON	LA2529
<i>alc</i>		alcobaca		P*	SPON	RU	NIL	LA3134
<i>alu</i>		alutacea	<i>alu1</i>	C*K	RAD	CR	IL	LA0838
<i>an</i>		anantha	<i>an^1, an^2, ca</i>	L*N	RAD	CR	IL	LA0536
<i>ap</i>		apetalous		L*N	SPON	ESC	IL	2-009
<i>ap</i>		apetalous		L*N	SPON	AC	NIL	LA3673

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<i>apl</i>		applanata		J*K	RAD	LU	IL	LA0662
<i>apn</i>		albo-punctata		G*BJK	CHEM	VF36	IL	3-105
<i>Aps-1</i>	1	Acid phosphatase-1		V*	SPON	VCH	NIL	LA1811
<i>Aps-1</i>	2	Acid phosphatase-1		V*	SPON	chm	NON	LA1812
<i>Aps-1</i>	<i>n</i>	Acid phosphatase-1		V*	SPON	pim	NON	LA1810
<i>Aps-2</i>	1	Acid phosphatase-2		V*	SPON	SM	NON	LA1814
<i>Aps-2</i>	2	Acid phosphatase-2		V*	SPON	che	NON	LA1815
<i>Aps-2</i>	3	Acid phosphatase-2		V*	SPON	par	NON	LA1816
<i>Aps-2</i>	<i>n</i>	Acid phosphatase-2		V*	SPON	che	NON	LA1813
<i>are</i>		anthocyanin reduced		A*	CHEM	VF36	NON	3-073
<i>Asc</i>		Alternaria stem canker resistance		Q*	SPON	X	NON	LA3528
<i>at</i>		apricot		P*L	SPON	AC	NIL	LA3535
<i>at</i>		apricot		P*L	SPON	X	NON	LA0215
<i>at</i>		apricot		P*L	SPON	RU	NIL	LA2998
<i>atn</i>		attenuata	<i>at</i>	E*AJK	RAD	RR	IL	LA0587
<i>atn</i>		attenuata	<i>at</i>	E*AJK	RAD	AC	NIL	LA3829
<i>atv</i>		atroviolacium		A*	SPON	VF36	NON	LA0797
<i>atv</i>		atroviolacium		A*	SPON	AC	NIL	LA3736
<i>au</i>		aurea		C*B	RAD	AC	NIL	LA3280
<i>au</i>	(1s)	aurea	<i>au</i> <sup>2</sup> , <i>au</i> , <i>brac</i>	C*B	RAD	CR	IL	LA0538
<i>au</i>	6	aurea	<i>yg</i> <sup>6</sup> , <i>yg-6</i> , <i>au</i> <sup>yg-6</sup> , <i>yo</i>	C*B	SPON	RCH	IL	LA1486
<i>au</i>	6	aurea	<i>yg</i> <sup>6</sup> , <i>yg-6</i> , <i>au</i> <sup>yg-6</sup> , <i>yo</i>	C*B	SPON	AC	NIL	LA2929
<i>au</i>	<i>tl</i>	aurea		C*B	SPON	VF145	IL	2-655A
<i>au</i>	<i>w</i>	aurea	<i>w616</i>	C*B	CHEM	MM	IL	LA2837
<i>aus</i>		austera		J*KT	RAD	LU	IL	LA2023
<i>aut</i>		aureata		C*F	SPON	AC	NIL	LA3166
<i>aut</i>		aureata		C*F	SPON	X	NON	LA1067
<i>auv</i>		aureate virescent		F*C	CHEM	VF36	IL	3-075
<i>avi</i>		albovirens	<i>avi1</i>	C*BGN	RAD	CR	IL	LA0936
<i>aw</i>		without anthocyanin	<i>aba</i> , <i>ab</i> , <i>a179</i>	A*	SPON	X	NON	LA0271
<i>aw</i>		without anthocyanin	<i>aba</i> , <i>ab</i> , <i>a179</i>	A*	SPON	AC	NIL	LA3281
<i>aw</i>	<i>prov3</i>	without anthocyanin	<i>aw</i>	A*	CHEM	VF36	IL	3-121
<i>aw</i>	<i>prov4</i>	without anthocyanin	<i>aw</i>	A*	CHEM	VCH	NON	3-603
<i>aw</i>	<i>prov5</i>	without anthocyanin	<i>aw</i>	A*	CHEM	VCH	NON	3-627
<i>B</i>		Beta-carotene		P*	SPON	X	NON	LA2374
<i>B</i>		Beta-carotene		P*	SPON	O8245	NON	LA3899
<i>B</i>		Beta-carotene		P*	SPON	E6203	NIL	LA3898
<i>B</i>		Beta-carotene		P*	SPON	RU	NIL	LA3000
<i>B</i>	<i>c</i>	Beta-carotene	<i>og</i> <sup>c</sup> , <i>Crn</i> , <i>Cr</i> , <i>crn-2</i> , <i>cr-2</i>	P*L	SPON	PCV	NON	LA0806
<i>B</i>	<i>c</i>	Beta-carotene	<i>og</i> <sup>c</sup> , <i>Crn</i> , <i>Cr</i> , <i>crn-2</i> , <i>cr-2</i>	P*L	SPON	AC	NIL	LA3179
<i>B</i>	<i>og</i>	Beta-carotene	<i>og</i>	L*P	SPON	PSN	NIL	LA0348
<i>B</i>	<i>og</i>	Beta-carotene	<i>og</i>	L*P	SPON	X	NON	LA0500
<i>B</i>	<i>og</i>	Beta-carotene	<i>og</i>	L*P	SPON	X	NON	LA4025
<i>B</i>	<i>og</i>	Beta-carotene	<i>og</i>	L*P	SPON	X	NON	LA4026
<i>bc</i>		bicolor	<i>bi</i>	U*JKT	RAD	CR	IL	LA0588
<i>Bco</i>		Brilliant corolla		L*	SPON	VF36	NON	LA4261
<i>bi</i>		bifurcate inflorescence		M*	SPON	X	NON	LA1786
<i>bip</i>		bipinnata		J*	RAD	LU	IL	LA0663
<i>bip</i>		bipinnata		J*	RAD	AC	NIL	LA3765
<i>bip</i>	<i>prov2</i>	bipinnata	<i>bip</i>	J*	CHEM	VCH	IL	3-602
<i>bk</i>		beaked		O*	SPON	X	NON	LA0330

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<i>Bk-2</i>		Beaked-2		O*	SPON	X	NON	LA1787
<i>bks</i>		black seed	<i>bks1-1</i>	S*A	RAD	X	NON	LA4290
<i>bks</i>	2	black seed	<i>bks1-2</i>	S*A	RAD	X	NON	LA4291
<i>bl</i>		blind		K*	SPON	X	NON	LA0059
<i>bl</i>		blind		K*	SPON	AC	NIL	LA3745
<i>bl</i>	2	blind	<i>to^2</i>	K*	RAD	LU	IL	LA0980
<i>bl</i>	<i>to</i>	blind	<i>to</i>	K*JLO	RAD	CR	IL	LA0709
<i>bls</i>		baby lea syndrome	<i>alm</i>	A*K	SPON	X	NON	LA1004
<i>bls</i>		baby lea syndrome	<i>alm</i>	A*K	SPON	AC	NIL	LA3167
<i>bls</i>	<i>prov2</i>	baby lea syndrome	<i>bls</i>	A*K	CHEM	VCH	IL	3-610
<i>Bnag-1</i>	1	Beta-N-acetyl-D-glucosaminidase-1		V*	SPON	pen	NON	LA2986
<i>br</i>		brachytic		K*	SPON	X	NON	LA2069
<i>brt</i>		bushy root		R*	SPON	X	NON	LA2816
<i>brt-2</i>		bushy root-2		R*	SPON	X	NON	LA3206
<i>bs</i>		brown seed		S*	CHEM	AC	NIL	LA2935
<i>bs-2</i>		brown seed-2		S*	SPON	PLB	IL	LA1788
<i>bs-4</i>		brown seed-4		S*	RAD	MM	IL	LA1998
<i>btl</i>		brittle stem		J*Y	SPON	X	NON	LA1999
<i>bu</i>		bushy	<i>fru</i>	K*JM	RAD	X	NON	LA0897
<i>bu</i>		bushy	<i>fru</i>	K*JM	RAD	AC	NIL	LA2918
<i>bu</i>	<i>ab</i>	bushy	<i>fru^ab</i>	K*JM	RAD	RR	IL	LA0549
<i>bu</i>	<i>cin</i>	bushy	<i>cin</i>	K*JM	SPON	HSD	IL	LA1437
<i>bu</i>	<i>cin-2</i>	bushy	<i>cin-2</i>	K*JM	SPON	HSD	IL	LA2450
<i>bu</i>	<i>hem</i>	bushy	<i>fru^hem</i>	K*JM	RAD	CR	IL	LA0604
<i>bul</i>		bullata		C*JK	RAD	CR	IL	LA0589
<i>buo</i>		bullosa	<i>buo1</i>	J*O	RAD	pim	IL	LA2000
<i>c</i>		potato leaf		J*	SPON	AC	NIL	LA3168
<i>c</i>	<i>int</i>	potato leaf	<i>int</i>	J*	RAD	CR	IL	LA0611
<i>c</i>	<i>int</i>	potato leaf	<i>int</i>	J*	RAD	AC	NIL	LA3728A
<i>c</i>	<i>prov2</i>	potato leaf	<i>c</i>	J*	CHEM	MM	IL	3-345
<i>c</i>	<i>prov3</i>	potato leaf	<i>c</i>	J*	CHEM	X	IL	3-604
<i>c</i>	<i>prov4</i>	potato leaf	<i>c</i>	J*	CHEM	VCH	IL	3-609
<i>c</i>	<i>prov5</i>	potato leaf	<i>c</i>	J*	CHEM	VCH	IL	3-626
<i>c</i>	<i>prov6</i>	potato leaf	<i>c</i>	J*	CHEM	VCH	IL	3-631
<i>car</i>		carinata		J*DLO	RAD	CR	IL	LA0539
<i>car-2</i>		carinata-2	<i>car2</i>	J*K	RAD	pim	IL	LA2001
<i>cb</i>		cabbage		J*K		AC	NIL	LA3819
<i>cb-2</i>		cabbage leaf-2		J*K	RAD	X	NON	LA2002
<i>cb-2</i>		cabbage leaf-2		J*K	RAD	AC	NIL	LA3169
<i>ccf</i>		cactiflora		N*LO	CHEM	CSM	IL	3-805
<i>Cf-1</i>		Cladosporium fulvum resist.-1	<i>Cf, Cf1, Cfsc</i>	Q*	SPON	X	NON	LA2443
<i>Cf-1</i>	3	Cladosporium fulvum resist.-1	<i>Cf-5, Cf5</i>	Q*	SPON	MM	NIL	LA3046
<i>Cf-1</i>	3	Cladosporium fulvum resist.-1	<i>Cf-5, Cf5</i>	Q*	SPON	X	NON	LA2447
<i>Cf-2</i>		Cladosporium fulvum resist.-2	<i>Cf2, Cf2p1</i>	Q*	SPON	X	NON	LA2444
<i>Cf-2</i>		Cladosporium fulvum resist.-2	<i>Cf2, Cf2p1</i>	Q*	SPON	MM	NIL	LA3043
<i>Cf-3</i>		Cladosporium fulvum resist.-3	<i>Cf3, Cf3p2</i>	Q*	SPON	X	NON	LA2445
<i>Cf-3</i>		Cladosporium fulvum resist.-3	<i>Cf3, Cf3p2</i>	Q*	SPON	MM	NIL	LA3044
<i>Cf-4</i>		Cladosporium fulvum resist.-4	<i>Cf-8, Cf4, Cf-1^2</i>	Q*	SPON	X	NON	LA2446
<i>Cf-4</i>		Cladosporium fulvum resist.-4	<i>Cf-8, Cf4, Cf-1^2</i>	Q*	SPON	AC	NIL	LA3267
<i>Cf-4</i>		Cladosporium fulvum resist.-4	<i>Cf-8, Cf4, Cf-1^2</i>	Q*	SPON	MM	NIL	LA3045
<i>Cf-6</i>		Cladosporium fulvum resist.-6		Q*	SPON	X	NON	LA2448
<i>Cf-7</i>		Cladosporium fulvum resist.-7		Q*	SPON	X	NON	LA2449
<i>Cf-9</i>		Cladosporium fulvum resist.-9		Q*	SPON	MM	NIL	LA3047

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<i>cfa</i>		conferta	<i>cfa1</i>	K*		LU	NON	LA0832
<i>cg</i>		congesta	<i>cg1</i>	K*J	RAD	RR	IL	LA0831
<i>ch</i>		chartreuse		L*	SPON	PSN	IL	2-253
<i>ch</i>		chartreuse		L*	SPON	AC	NIL	LA3720
<i>ci</i>		cincta	<i>ci1</i>	K*	RAD	CR	IL	LA0938
<i>cit</i>		citriformis		O*JK	RAD	RR	IL	LA2024
<i>cjf</i>		conjunctiflora		L*N	SPON	PTN	IL	LA1056
<i>ck</i>		corky fruit		O*	SPON	X	NON	LA2003
<i>cl-2</i>		cleistogamous-2	<i>cl2</i>	L*N	SPON	SM	IL	2-185
<i>cla</i>		clara		C*A	RAD	LU	IL	LA0540
<i>clau</i>		clausa	<i>ff, vc</i>	J*LO	RAD	LU	IL	LA0591
<i>clau</i>		clausa	<i>ff, vc</i>	J*LO	RAD	AC	NIL	LA3583
<i>clau</i>		clausa	<i>ff, vc</i>	J*LO	RAD	X	NON	LA0719
<i>clau</i>	<i>ff</i>	clausa		J*LO	SPON	VFSM	IL	2-505
<i>clau</i>	<i>ics</i>	clausa	<i>ics</i>	J*	SPON	PTN	IL	LA1054
<i>clau</i>	<i>ics</i>	clausa	<i>ics</i>	J*	SPON	AC	NIL	LA3713
<i>clau</i>	<i>prov2</i>	clausa	<i>clau</i>	J*LO	SPON	X	IL	LA0509
<i>clau</i>	<i>vc</i>	clausa		J*LO	SPON	X	NON	LA0896
<i>cls</i>		clarescens		C*K	RAD	RR	IL	LA2025
<i>clt</i>		coalita		J*	RAD	LU	IL	LA2026
<i>cm</i>		curly mottled		G*JNO	SPON	AC	NIL	LA2919
<i>cm</i>		curly mottled		G*JNO	SPON	PCV	NON	LA0272
<i>cma</i>		commutata		K*DHF	RAD	RR	IL	LA2027
<i>Cmr</i>		Cucumber mosaic resistance		Q*	SPON	X	NON	LA3912
<i>cn</i>		cana	<i>ca</i>	D*K	RAD	RR	IL	LA0590
<i>co</i>		cochlearis		J*D	RAD	CR	IL	LA0592
<i>coa</i>		corrotundata	<i>coa1</i>	J*KLT	RAD	CR	IL	LA0940
<i>com</i>		complicata		K*J	RAD	CR	IL	LA0664
<i>com</i>	<i>in</i>	complicata	<i>in</i>	K*DJ	RAD	CR	IL	LA0610
<i>com</i>	<i>in</i>	complicata	<i>in</i>	K*DJ	RAD	AC	NIL	LA3715
<i>con</i>		convalescens		E*FK	RAD	CR	IL	LA0541
<i>con</i>		convalescens		E*FK	RAD	AC	NIL	LA3671
<i>cor</i>		coriacea		K*J	RAD	CR	IL	LA0666
<i>cor</i>		coriacea		K*J	RAD	AC	NIL	LA3743
<i>cpa</i>		composita	<i>cpa1</i>	M*K	RAD	RR	IL	LA0833
<i>cpt</i>		compact		K*EJ	SPON	XLP	IL	2-377
<i>cpt</i>		compact		K*EJ	SPON	AC	NIL	LA3723
<i>Cri</i>		Crispa		H*JU	RAD	CR	IL	LA0667
<i>Crk</i>		Crinkled		J*T	SPON	X	NON	LA1050
<i>crt</i>		cottony-root		R*	SPON	RCH	NON	LA2802
<i>cru</i>		corrupta	<i>cru1</i>	K*J		LU	IL	LA0941
<i>cry-1</i>		cryptochrome-1	<i>cyr1</i>	AE*	RAD	MM	IL	LA4359
<i>cta</i>		contaminata	<i>cta1</i>	K*HJN	RAD	RR	IL	LA0939
<i>ctr</i>	<i>1</i>	citrate concentration		V*	SPON	pim	NON	LA2904
<i>ctt</i>		contracta		K*J	RAD	LU	IL	LA2028
<i>Cu</i>		Curl		J*KT	SPON	STD	IL	LA0325
<i>Cu</i>		Curl		J*KT	SPON	AC	NIL	LA3740
<i>cu-2</i>		curl-2	<i>cu2</i>	J*	RAD	CT	IL	LA2004
<i>cu-3</i>		curl-3		J*KT	SPON	pim	NON	LA2398
<i>cul</i>		culcitula		K*U	RAD	RR	IL	LA2029
<i>cur</i>		curvifolia		J*EK	RAD	RR	IL	LA0668
<i>cv</i>		curvata	<i>cu</i>	K*JT	RAD	LU	IL	LA0593
<i>cv</i>	<i>2</i>	curvata	<i>acu</i>	K*JT	RAD	CR	IL	LA0660
<i>cva</i>		conversa		K*D	RAD	CR	IL	LA0665

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>cvl</i>		convoluta	<i>cvl1</i>	K*J	RAD	RR	IL	LA0830
<i>Cvx</i>		Convexa		J*	SPON	X	NON	LA1151
<i>d</i>		dwarf		K*JT	SPON	GRD	NIL	LA3031
<i>d</i>		dwarf		K*JT	SPON	STN	NIL	LA0313
<i>d</i>		dwarf		K*JT	SPON	FB	NIL	LA3022
<i>d</i>	<i>b</i>	dwarf		K*JTL	SPON	RR	IL	LA3865
<i>d</i>	<i>cr</i>	dwarf	<i>rob^crisp</i>	K*JT	RAD	CR	IL	LA0570
<i>d</i>	<i>im</i>	dwarf	<i>rob^imm</i>	K*JT	RAD	CR	IL	LA0571
<i>d</i>	<i>prov2</i>	dwarf	<i>d</i>	K*JT	CHEM	VCH	IL	3-623
<i>d</i>	<i>provcr-2</i>	dwarf	<i>d^cr</i>	K*JT	CHEM	VF36	IL	3-420
<i>d</i>	<i>provcr-3</i>	dwarf	<i>d^cr</i>	K*JT	CHEM	VF36	IL	3-422
<i>d</i>	<i>x</i>	dwarf		K*JT	SPON	PCV	NON	LA1052
<i>d</i>	<i>x</i>	dwarf		K*JT	SPON	AC	NIL	LA3615
<i>d</i>	<i>x</i>	dwarf		K*JT	SPON	SPZ	IL	LA0160
<i>d</i>	<i>x</i>	dwarf		K*JT	SPON	VAN	NIL	LA3902
<i>d-2</i>		dwarf-2	<i>rob2, rob II, d2</i>	K*N	RAD	RR	IL	LA0625
<i>dc</i>		decomposita	<i>dc1</i>	J*	RAD	RR	IL	LA0819
<i>dd</i>		double dwarf	<i>d^xx</i>	K*J	SPON	X	NON	LA0810
<i>de</i>		declinata		K*JU	RAD	RR	IL	LA0594
<i>de</i>		declinata		K*JU	RAD	AC	NIL	LA3742
<i>deb</i>		debilis		H*BCJ	RAD	CR	IL	LA0542
<i>deb</i>		debilis		H*BCJ	RAD	AC	NIL	LA3727
<i>dec</i>		decumbens		K*R	RAD	LU	IL	LA0669
<i>def</i>		deformis		J*LN	RAD	RR	IL	LA0543
<i>def</i>		deformis		J*LN	RAD	AC	NIL	LA3749
<i>def</i>	2	deformis	<i>vit</i>	J*	RAD	CR	IL	LA0634
<i>def-2</i>		deformis		J*LN	RAD	AC	NIL	LA2920
<i>Del</i>		Delta		P*	SPON	RU	NIL	LA2996A
<i>Del</i>		Delta		P*	SPON	M82	NON	LA4099
<i>Del</i>		Delta		P*	SPON	AC	NIL	LA2921
<i>deli</i>		deliquescens		K*CJ	RAD	RR	IL	LA0595
<i>dep</i>		deprimata		T*J	RAD	CR	IL	LA0544
<i>depa</i>		depauperata		K*CJ	RAD	RR	IL	LA0596
<i>depa</i>		depauperata		K*CJ	RAD	AC	NIL	LA3725
<i>det</i>		detrimentosa		C*KF	RAD	RR	IL	LA0670
<i>det</i>	2	detrimentosa		C*KF	RAD	RR	IL	LA0820
<i>Df</i>		Defoliator		Y*H	SPON	par	NON	LA0247
<i>dgt</i>		diageotropica	<i>lz-3</i>	K*R	SPON	VFN8	IL	LA1093
<i>dgt</i>	<i>dp</i>	diageotropica	<i>dp</i>	J*KT	RAD	CT	IL	LA2526
<i>Dia-2</i>	1	Diaphorase-2		V*	SPON	pen	NON	LA2987
<i>Dia-2</i>	2	Diaphorase-2		V*	SPON	VF36	NIL	LA4232
<i>Dia-3</i>	1	Diaphorase-3		V*	SPON	X	NON	LA3345
<i>Dia-3</i>	1	Diaphorase-3		V*	SPON	VF36	NIL	LA4269
<i>Dia-4</i>	1	Diaphorase-4		V*	SPON	VF36	NIL	LA4284
<i>dil</i>		diluta		D*JK	RAD	CR	IL	LA0545
<i>dil</i>		diluta		D*JK	RAD	AC	NIL	LA3728
<i>dim</i>		diminuta		A*DK	RAD	LU	IL	LA0597
<i>dim-2</i>		diminuta-2	<i>dim2</i>	A*K	RAD	AC	NIL	LA3170
<i>dis</i>		discolor		D*F	RAD	CR	IL	LA0598
<i>div</i>		divaricata		C*AJK	RAD	CR	NON	LA0671
<i>div</i>		divaricata		C*AJK	RAD	AC	NIL	LA3818
<i>dl</i>		dialytic		I*LN	SPON	AC	NIL	LA3724
<i>dl</i>		dialytic		I*LN	SPON	SM	IL	2-069
<i>dl</i>	S	dialytic	<i>DI^s</i>	L*N	SPON	VF36	NIL	LA3906

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<i>dlb</i>		dilabens	<i>dlb1</i>	C*JK	RAD	CR	IL	LA0829
<i>dm</i>		dwarf modifier	<i>d2</i>	K*	SPON	X	NON	LA0014
<i>dmd</i>		dimidiata		K*JU	RAD	LU	IL	LA2033
<i>dmt</i>		diminutiva		K*	CHEM	VF36	IL	3-007
<i>dps</i>		diospyros		P*	SPON	X	NON	LA1016
<i>dpy</i>		dumpy		K*J	SPON	AC	NIL	LA3171
<i>dpy</i>		dumpy		K*J	SPON	X	NON	LA0811
<i>dpy</i>	<i>prov2</i>	dumpy	<i>dpy</i>	K*J	CHEM	VCH	IL	3-630
<i>dpy</i>	<i>prov3</i>	dumpy	<i>dpy</i>	K*J	SPON	ANU	IL	LA1053
<i>drt</i>		dwarf root		R*	CHEM	X	NON	LA3207
<i>ds</i>		dwarf sterile		N*K	SPON	EPK	IL	2-247
<i>ds</i>		dwarf sterile		N*K	SPON	AC	NIL	LA3767
<i>dt</i>		dilatata	<i>dt1</i>	C*JK	RAD	CR	IL	LA0828
<i>dt1</i>		detorta		J*K	RAD	LU	IL	LA2030
<i>du</i>		dupla		J*KU	RAD	LU	IL	LA2034
<i>dv</i>		dwarf virescent		F*D	SPON	X	NON	LA0155
<i>e</i>		entire	<i>b</i>	J*	SPON	AC	NIL	LA2922
<i>e</i>	<i>prov3</i>	entire	<i>e</i>	J*	CHEM	VCH	IL	3-616
<i>e-2</i>		entire-2		J*	CHEM		NON	3-705
<i>ec</i>		exserted carpels		O*		X	NON	LA4340
<i>eca</i>		echinata		K*	RAD	RR	IL	LA2035
<i>el</i>		elongated	<i>e</i>	O*	SPON	AC	NIL	LA3738
<i>ele</i>		elegans		E*JK	RAD	CR	IL	LA0546
<i>ele</i>		elegans		E*JK	RAD	AC	NIL	LA3825
<i>ele</i>	2	elegans	<i>ang</i>	E*JK	RAD	CR	IL	LA0586
<i>elu</i>		eluta		E*K	RAD	LU	IL	LA0547
<i>em</i>		emortua	<i>em1</i>	H*K	RAD	RR	IL	LA0827
<i>em</i>		emortua	<i>em1</i>	H*K	RAD	AC	NIL	LA3817
<i>en</i>		ensiform		J*	SPON	X	NON	LA1787
<i>ep</i>		easy peeling		O*	RAD	AC	NIL	LA3616
<i>ep</i>		easy peeling		O*	RAD	MM	IL	LA1158
<i>Epi</i>		Epinastic		J*K	SPON	VFN8	IL	LA2089
<i>er</i>		erecta		K*JT	RAD	CR	IL	LA0600
<i>era</i>		eramosa	<i>era1</i>	B*JK	RAD	CR	IL	LA0850
<i>Est-1</i>	1	Esterase-1		V*	SPON	pim	NON	LA1818
<i>Est-1</i>	1	Esterase-1		V*	SPON	cer	IL	LA2415
<i>Est-1</i>	2	Esterase-1		V*	SPON	pim	NON	LA1819
<i>Est-1</i>	3	Esterase-1		V*	SPON	pim	NON	LA1820
<i>Est-1</i>	4	Esterase-1		V*	SPON	par	NON	LA1821
<i>Est-1</i>	5	Esterase-1		V*	SPON	pen	NON	LA2419
<i>Est-1</i>	<i>n</i>	Esterase-1		V*	SPON	pim	NON	LA1817
<i>Est-2</i>	1	Esterase-2		V*	SPON	pen	NON	LA2420
<i>Est-3</i>	1	Esterase-3		V*	SPON	par	NON	LA2421
<i>Est-4</i>	1	Esterase-4		V*	SPON	par	NON	LA2422
<i>Est-4</i>	2	Esterase-4		V*	SPON	pim	NON	LA2423
<i>Est-4</i>	4	Esterase-4		V*	SPON	PCV	NON	LA2425
<i>Est-4</i>	5	Esterase-4		V*	SPON	pim	NON	LA2426
<i>Est-4</i>	6	Esterase-4		V*	SPON	pim	NON	LA2427
<i>Est-4</i>	7	Esterase-4		V*	SPON	cer	NON	LA2428
<i>Est-4</i>	8	Esterase-4		V*	SPON	pim	NON	LA2429
<i>Est-5</i>	1	Esterase-5		V*	SPON	pen	NON	LA2430
<i>Est-6</i>	1	Esterase-6		V*	SPON	pen	NON	LA2431
<i>Est-7</i>	1	Esterase-7		V*	SPON	par	NON	LA2432
<i>Est-7</i>	2	Esterase-7		V*	SPON	pen	NON	LA2433

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<i>Est-8</i>	1	Esterase-8		V*	SPON	pen	NON	LA2988
<i>ete</i>		extenuata	<i>ete1</i>	K*JN	RAD	CR	IL	LA0942
<i>ex</i>		exserted stigma		L*N	SPON	SM	IL	2-191
<i>exl</i>		exilis	<i>ex</i>	D*JK	RAD	CR	IL	LA0601
<i>exs</i>		excedens	<i>exs1</i>	K*J	RAD	CR	IL	LA0852
<i>f</i>		fasciated fruit		O*L	SPON	ESC	NON	LA0517
<i>f</i>	D	fasciated fruit		O*L	SPON	PCV	NON	LA0767
<i>fa</i>		falsiflora	<i>fa1</i>	M*N	RAD	RR	IL	LA0854
<i>fcf</i>		fucatifolia	<i>fcf1</i>	D*CK	RAD	CR	IL	LA0945
<i>fd</i>		flecked dwarf		G*DK	RAD	AC	NIL	LA3750
<i>fd</i>		flecked dwarf		G*DK	RAD	BK	NON	LA0873
<i>Fdh-1</i>	1	Formate dehydrogenase-1		V*	SPON	pen	IL	LA2989
<i>Fdh-1</i>	2	Formate dehydrogenase-1		V*	SPON	VF36	NIL	LA4238
<i>fe</i>		fertilis		J*LO	RAD	LU	IL	LA0672
<i>fgv</i>		fimbriate gold virescent		F*CJ	SPON	VF36	IL	LA1143
<i>fir</i>		firma		K*JM	RAD	CR	IL	LA0602
<i>fl</i>		fleshy calyx		O*	SPON	X	NON	LA2372
<i>fla</i>		flavescens		D*JK	RAD	LU	IL	LA0548
<i>fla</i>		flavescens		D*JK	RAD	AC	NIL	LA3565
<i>flav</i>		flavida		C*	RAD	LU	IL	LA0603
<i>flc</i>		flacca		W*HJY	RAD	RR	IL	LA0673
<i>flc</i>		flacca		W*HJY	RAD	AC	NIL	LA3613
<i>fld</i>		flaccida	<i>fld1</i>	K*HJT	RAD	RR	IL	LA0943
<i>fle</i>		flexifolia	<i>fle1</i>	A*J	RAD	AC	NIL	LA3764
<i>fli</i>		filiform inflorescence		M*LN	SPON	X	NON	LA1790
<i>fn</i>		finely-netted		D*	RAD	PSP	IL	LA2005
<i>fr</i>		frugalis		K*JT	RAD	CR	IL	LA0674
<i>frg</i>		fragilis	<i>frg1</i>	D*CJK	RAD	CR	IL	LA0864
<i>fri</i>	1	far red light insensitive	<i>phyA</i>	AY*	CHEM	MM	IL	LA3809
<i>fri</i>	1	far red light insensitive	<i>phyA</i>	AY*	CHEM	MM	IL	LA4356
<i>Frl</i>		FORL resistance	<i>Fr1, Fr-1</i>	Q*	SPON	AC	NIL	LA3273
<i>Frl</i>		FORL resistance	<i>Fr1, Fr-1</i>	Q*	SPON	VGB	NON	LA3841
<i>Frs</i>		Frosty spot	<i>Nec</i>	H*	SPON	X	NON	LA2070
<i>frt</i>		fracta		K*JT	RAD	LU	IL	LA2038
<i>fsc</i>		fuscatinervis	<i>dkv</i>	E*	SPON	VF145	IL	LA0872
<i>ft</i>		fruiting temperature		O*	SPON	X	NON	LA2006
<i>fu</i>		fusiformis		C*JK	RAD	CR	IL	LA0605
<i>fu</i>		fusiformis		C*JK	RAD	AC	NIL	LA3070
<i>fua</i>		fucata	<i>fua1</i>	E*K	RAD	CR	IL	LA0944
<i>fug</i>		fulgida	<i>fug1</i>	E*BK	RAD	RR	IL	LA0946
<i>ful</i>		fulgens		E*	RAD	CR	IL	LA0550
<i>ful</i>	2	fulgens	<i>ful1^2</i>	E*	RAD	RR	IL	LA0843
<i>ful-3</i>		fulgens-3		E*	SPON	VF36	IL	LA1495
<i>fus</i>		fulgescens		E*	RAD	LU	IL	LA2039
<i>Fw</i>		Furrowed		J*KN	SPON	PSN	IL	LA0192
<i>Fw</i>		Furrowed		J*KN	SPON	AC	NIL	LA3300
<i>fx</i>		flexa		K*	RAD	LU	IL	LA2037
<i>fy</i>		field yellow		E*	SPON	AC	NIL	LA3295
<i>fy</i>		field yellow		E*	SPON	VF36	IL	2-565
<i>ga</i>		galbina	<i>ga1</i>	D*BE	RAD	CR	IL	LA0836
<i>ga</i>		galbina	<i>ga1</i>	D*BE	RAD	AC	NIL	LA3828
<i>gas</i>		gamosepala	<i>gas1</i>	D*JL	RAD	RR	IL	LA0947
<i>gbl</i>		globula		K*JU	RAD	LU	IL	LA2032
<i>Ge</i>	c	Gamete eliminator		N*	SPON	CR	NON	LA0533

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<i>Ge</i>	<i>p</i>	Gamete eliminator		N*	SPON	PSN	NON	LA0012
<i>gf</i>		green flesh		P*	SPON	RU	NIL	LA2999
<i>gf</i>		green flesh		P*	SPON	AC	NIL	LA3534
<i>gf</i>		green flesh		P*	SPON	PCV	NON	LA2071
<i>gfl</i>		globular flower		L*	SPON	X	NON	LA2984
<i>gh</i>		ghost	<i>ab</i>	B*G	SPON	SM	IL	LA0295
<i>gh-2</i>		ghost-2		C*G	CHEM	SX	IL	LA2007
<i>gi</i>		gibberosa		J*K	RAD	RR	IL	LA2040
<i>gib-1</i>		gibberellin deficient-1		K*Y	CHEM	MM	IL	LA2893
<i>gib-2</i>		gibberellin deficient-2		K*Y	CHEM	MM	IL	LA2894
<i>gib-3</i>		gibberellin-deficient-3		K*Y	CHEM	MM	IL	LA2895
<i>gib-3</i>	<i>x</i>	gibberellin-deficient-3		K*Y	CHEM	X	NON	LA2993
<i>gl</i>		glauca		J*F	RAD	CR	IL	LA0675
<i>glau</i>		glaucescens		E*JK	RAD	CR	IL	LA0606
<i>glb</i>		globularis		K*CJ	RAD	RR	IL	LA0677
<i>glc</i>		glaucophylla		D*JK	RAD	RR	IL	LA0676
<i>glf</i>		globiformis	<i>glf1</i>	K*M	RAD	CR	IL	LA0948
<i>glg</i>		galapagos light green		D*	SPON	X	NON	LA1059
<i>glm</i>		glomerata		K*	RAD	LU	IL	LA2031
<i>glo</i>		globosa		K*	RAD	CR	IL	LA0551
<i>glo</i>	<i>2</i>	globosa	<i>inx, intro</i>	K*	RAD	LU	IL	LA0612
<i>glo</i>	<i>2</i>	globosa	<i>inx, intro</i>	K*	RAD	AC	NIL	LA3618
<i>glu</i>		glutinosa	<i>glu1</i>	O*P	RAD	RR	IL	LA0842
<i>gm</i>		gamosepalous		L*	RAD	SX	IL	LA2008
<i>Got-1</i>	<i>1</i>	Glutamate oxaloacetate transaminase-1		V*	SPON	pim	NON	LA1822
<i>Got-1</i>	<i>2</i>	Glutamate oxaloacetate trans.-1		V*	SPON	pim	NON	LA1823
<i>Got-2</i>	<i>1</i>	Glutamate oxaloacetate trans.-2		V*	SPON	pim	NON	LA1825
<i>Got-2</i>	<i>2</i>	Glutamate oxaloacetate trans.-2		V*	SPON	che	NON	LA1826
<i>Got-2</i>	<i>3</i>	Glutamate oxaloacetate trans.-2		V*	SPON	par	NON	LA1827
<i>Got-2</i>	<i>4</i>	Glutamate oxaloacetate trans.-2		V*	SPON	pim	NON	LA1828
<i>Got-2</i>	<i>n</i>	Glutamate oxaloacetate trans.-2		V*	SPON	pim	NON	LA1824
<i>Got-3</i>	<i>2</i>	Glutamate oxaloacetate trans.-3		V*	SPON	pim	NON	LA1831
<i>Got-3</i>	<i>3</i>	Glutamate oxaloacetate trans.-3		V*	SPON	par	NON	LA1832
<i>Got-3</i>	<i>n</i>	Glutamate oxaloacetate trans.-3		V*	SPON	che	NON	LA1829
<i>Got-4</i>	<i>1</i>	Glutamate oxaloacetate trans.-4		V*	SPON	par	NON	LA1834
<i>Got-4</i>	<i>2</i>	Glutamate oxaloacetate trans.-4		V*	SPON	pim	NON	LA1835
<i>Got-4</i>	<i>n</i>	Glutamate oxaloacetate trans.-4		V*	SPON	cer	NON	LA1833
<i>Gp</i>		Gamete promoter		N*	SPON	AC	NIL	LA3273
<i>gq</i>		grotesque		L*O	SPON	X	NON	LA0137
<i>Gr</i>		Green ripe	<i>gr</i>	P*	SPON	X	NON	LA2453
<i>Gr</i>	<i>Nr-2</i>	Green ripe	<i>Nr-2</i>	P*	SPON	X	NON	LA2455
<i>gra</i>		gracilis		K*J	RAD	CR	IL	LA0607
<i>grc</i>		gracillama	<i>grc1</i>	E*JK	RAD	RR	IL	LA0950
<i>grf</i>		grandifructa	<i>grf1</i>	K*O	RAD	LU	IL	LA0951
<i>grl</i>		gracilentia	<i>grl1</i>	E*JK	RAD	RR	IL	LA0949
<i>grn</i>		granulosa		I*	CHEM	CSM	IL	3-804
<i>gro</i>		grossa		J*DK	RAD	LU	IL	LA2041
<i>gs</i>		green stripe		P*	SPON	GSM	IL	LA0212
<i>gs</i>		green stripe		P*	SPON	AC	NIL	LA3530
<i>h</i>		hairs absent	<i>H</i>	I*	SPON	AC	NIL	LA3172
<i>h</i>		hairs absent	<i>H</i>	I*	SPON	X	NON	LA0154
<i>he</i>		heteroidea		D*JK	RAD	CR	IL	LA0679
<i>Hero</i>		<i>Heterodera rostochiensis</i> resis.		Q*	SPON	X	NON	LA1792

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<i>hg</i>		heterogemma	<i>hg1</i>	K*M	RAD	CR	IL	LA0837
<i>hi</i>		hilara		K*DJT	RAD	CR	IL	LA0952
<i>hl</i>		hairless		I*X	SPON	AC	NIL	LA3556
<i>hl</i>	2	hairless	<i>cal, cal1</i>	I*X	RAD	CR	IL	LA0937
<i>hl</i>	<i>prov3</i>	hairless	<i>hl</i>	I*X	CHEM	VCH	IL	3-095
<i>hl</i>	<i>prov4</i>	hairless	<i>hl</i>	I*X	CHEM	VCH	IL	3-126
<i>hl</i>	<i>prov5</i>	hairless	<i>hl</i>	I*X	CHEM	VCH	IL	3-605
<i>hl-2</i>		hairless-2	<i>hl^prov6</i>	I*X	CHEM	VF36	NON	3-417
<i>hp-1</i>		high pigment-1	<i>hp, hp1, hp2, bs, dr</i>	P*TA	SPON	X	NON	LA0279
<i>hp-1</i>		high pigment-1	<i>hp, hp1, hp2, bs, dr</i>	P*TA	SPON	RU	NIL	LA3004
<i>hp-1</i>		high pigment-1	<i>hp, hp1, hp2, bs, dr</i>	P*TA	SPON	AC	NIL	LA3538
<i>hp-1</i>	<i>w</i>	high pigment-1		P*TA	CHEM	GT	IL	LA4012
<i>hp-2</i>		high pigment-2	<i>hp</i>	P*TA	CHEM	MM	NON	LA4013
<i>hp-2</i>		high pigment-2	<i>hp</i>	P*TA	CHEM	SM	NIL	LA3006
<i>hp-2</i>	<i>dg</i>	high pigment-2	<i>dg</i>	P*AT	SPON	MP	NIL	LA3005
<i>hp-2</i>	<i>dg</i>	high pigment-2	<i>dg</i>	P*AT	SPON	MP	IL	LA2451
<i>hp-2</i>	<i>j</i>	high pigment-2	<i>hp</i>	P*T	SOMA	MM	NON	LA4014
<i>Hr</i>		Hirsute		I*	SPON	X	IL	LA0895
<i>Hrt</i>		Hirtum		I*	SPON	X	NON	LA0501
<i>ht</i>		hastate		J*L	SPON	SM	IL	2-295
<i>hy</i>		homogeneous yellow		E*	SPON	AC	NIL	LA3308
<i>hy</i>		homogeneous yellow		E*	SPON	cer	NON	LA1142
<i>l</i>		Immunity to Fusarium wilt		Q*	SPON	VD	NIL	LA3025
<i>l</i>		Immunity to Fusarium wilt		Q*	SPON	GRD	NIL	LA3042
<i>l-2</i>		Immunity to Fusarium wilt-2		Q*	SPON	MM	NIL	LA2821
<i>l-3</i>		Immunity to Fusarium wilt-3		Q*	SPON	X	NON	LA4025
<i>l-3</i>		Immunity to Fusarium wilt-3		Q*	SPON	X	NON	LA4026
<i>ic</i>		inclinata		J*CK	RAD	RR	IL	LA0682
<i>ica</i>		icana		B*JK	RAD	RR	IL	LA2042
<i>icn</i>		incana		B*F	SPON	X	NON	LA1009
<i>icn</i>		incana		B*F	SPON	AC	NIL	LA3173
<i>id</i>		indehiscens		L*JO	RAD	RR	IL	LA0684
<i>ida</i>		inordinata		K*JT	RAD	RR	IL	LA2043
<i>ldh-1</i>	1	Isocitrate dehydrogenase-1		V*	SPON	hir	NON	LA2906
<i>ig</i>		ignava		D*K	RAD	CR	IL	LA0608
<i>ig</i>		ignava		D*K	RAD	AC	NIL	LA3752
<i>im</i>		impatiens	<i>im1</i>	K*UW	RAD	RR	IL	LA0863
<i>imb</i>		imbecilla		E*DK	SPON	CR	IL	LA0552
<i>imb</i>		imbecilla		E*DK	SPON	AC	NIL	LA3566
<i>imp</i>	<i>dia</i>	impedita		E*K	SPON	CR	IL	LA0680
<i>imp</i>	<i>eg</i>	impedita		E*K	SPON	CR	IL	LA0681
<i>ina</i>		inflexa	<i>ina1</i>	K*	RAD	LU	IL	LA0840
<i>ina</i>		inflexa	<i>ina1</i>	K*	RAD	AC	NIL	LA3732
<i>inc</i>		incurva		K*J	RAD	CR	IL	LA0609
<i>inc</i>		incurva		K*J	RAD	AC	NIL	LA3730
<i>inf</i>		informa		J*K	RAD	CR	IL	LA0553
<i>inf</i>		informa		J*K	RAD	AC	NIL	LA3726
<i>ini</i>		inquieta	<i>ini1</i>	I*DJK	RAD	RR	IL	LA0953
<i>ino</i>		involuta	<i>ino1</i>	K*	RAD	CR	IL	LA0954
<i>ins</i>		inconstans	<i>ins1</i>	K*	RAD	RR	IL	LA0841
<i>inv</i>		invalida		F*EJK	RAD	CR	IL	LA0554

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<i>inv</i>		invalida		F*EJK	RAD	AC	NIL	LA3439
<i>lp</i>		Intense pigment		P*	SPON	VF145	NIL	LA1563
<i>lp</i>		Intense pigment		P*	SPON	VF145	NIL	LA1500
<i>irr</i>		irregularis		J*CT	RAD	CR	IL	LA0613
<i>irr</i>		irregularis		J*CT	RAD	AC	NIL	LA3747
<i>ita</i>		inquinata	<i>ita1</i>	H*G	RAD	RR	IL	LA0839
<i>j</i>		jointless	<i>lf</i>	M*	SPON	FB	NIL	LA3023
<i>j</i>		jointless	<i>lf</i>	M*	SPON	GRD	NIL	LA3033
<i>j-2</i>		jointless-2	<i>j2</i>	M*	SPON	PSN	NON	LA0315
<i>j-2</i>		jointless-2	<i>j2</i>	M*	SPON	O8245	NON	LA3899
<i>j-2</i>	<i>in</i>	jointless-2	<i>j2^in</i>	M*	SPON	X	NON	LA0756
<i>Jau</i>		Jaundiced		E*	SPON	AC	NIL	LA3174
<i>jug</i>		jugata		K*LO	RAD	CR	IL	LA0555
<i>jug</i>	2	jugata	<i>jug1^2</i>	K*LO	RAD	LU	IL	LA0834
<i>l</i>		lutescent	<i>g</i>	C*	SPON	AC	NIL	LA3717
<i>l</i>	2	lutescent	<i>rub</i>	C*	RAD	LU	IL	LA0572
<i>l</i>	<i>prov3</i>	lutescent	<i>l</i>	C*	SPON	ROMA	IL	2-491
<i>l</i>	<i>prov4</i>	lutescent	<i>l</i>	C*	SPON	EPK	NIL	LA3009
<i>l-2</i>		lutescent-2	<i>l-3, l2</i>	C*Y	SPON	LRD	IL	LA0643
<i>l-2</i>		lutescent-2	<i>l-3, l2</i>	C*Y	SPON	AC	NIL	LA3581
<i>La</i>		Lanceolate		J*	SPON	PCV	NON	LA0335
<i>lae</i>		laesa		H*JK	RAD	RR	IL	LA0685
<i>lan</i>		languida		D*F	RAD	RR	IL	LA2044
<i>lap</i>		lamprochlora	<i>lap1</i>	J*K	RAD	RR	IL	LA0955
<i>lat</i>		lata		K*	RAD	CR	IL	LA0556
<i>le</i>		lembiformis	<i>le1</i>	K*ACJR	RAD	RR	IL	LA0956
<i>lep</i>		leprosa	<i>lep1</i>	H*K	RAD	RR	IL	LA0957
<i>lg</i>		light-green	<i>lme</i>	D*	SPON	X	NON	LA1156
<i>lg</i>		light-green	<i>lme</i>	D*	SPON	AC	NIL	LA3175
<i>lg-5</i>		light green-5	<i>lg5, lm, fy, yt</i>	D*	SPON	X	NON	LA0757
<i>lg-5</i>		light green-5	<i>lg5, lm, fy, yt</i>	D*	SPON	AC	NIL	LA3176
<i>li</i>		limbrata		J*	RAD	LU	IL	LA2045
<i>Ln</i>		Lanata		I*	CHEM	VF36	IL	3-071
<i>Ln</i>	G	Lanata		I*	CHEM	FLD	IL	LA3127
<i>lop</i>		longipes	<i>lop1</i>	J*DK	RAD	CR	IL	LA0958
<i>Lpg</i>		Lapageria		J*LNT	SPON	VF36	IL	2-561
<i>Lpg</i>		Lapageria		J*LNT	SPON	AC	NIL	LA3739
<i>ls</i>		lateral suppresser		K*LN	SPON	AMB	NON	LA0329
<i>ls</i>		lateral suppresser		K*LN	SPON	X	NON	LA2892
<i>ls</i>		lateral suppresser		K*LN	SPON	AC	NIL	LA3761
<i>ls</i>	2	lateral suppresser		K*LN		PRI	NIL	LA3901
<i>lt</i>		laeta	<i>lt1</i>	E*DK	RAD	CR	IL	LA0835
<i>lff</i>		latifolia		J*	CHEM	VF36	IL	3-035A
<i>lu</i>		luteola		L*	RAD	LU	IL	LA0686
<i>luc</i>		lucida		C*F	RAD	CR	IL	LA0557
<i>lur</i>		lurida	<i>lur1</i>	E*D	RAD	RR	IL	LA0959
<i>lut</i>		lutea		E*F	RAD	CR	IL	LA0558
<i>lut</i>		lutea		E*F	RAD	AC	NIL	LA3714
<i>Lv</i>		<i>Leveillula taurica</i> resistance		Q*	SPON	X	NON	LA3118
<i>Lv</i>		<i>Leveillula taurica</i> resistance		Q*	SPON	X	NON	LA3119
<i>Lx</i>		Lax		J*	SPON	LK	NON	LA0505
<i>Lx</i>		Lax		J*	SPON	AC	NIL	LA3177
<i>lyr</i>		lyrate		J*NO	SPON	AC	NIL	LA2923
<i>lyr</i>		lyrate		J*NO	SPON	PCV	NON	LA0763

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<i>lz</i>		lazy		K*	RAD	AC	NIL	LA3762
<i>lz-2</i>		lazy-2		K*	CHEM	SM	NIL	LA2924
<i>lz-2</i>		lazy-2		K*	CHEM	AC	NIL	LA3710
<i>m</i>		mottled		G*J	RAD	AC	NIL	LA3568
<i>m-2</i>		mottled-2	<i>m2, mo, md</i>	F*D	RAD	AC	NIL	LA3574
<i>ma</i>		macrocarpa		J*O	RAD	LU	IL	LA0687
<i>mac</i>		maculata	<i>mac1</i>	H*K	RAD	CR	IL	LA0960
<i>mad</i>		marcida	<i>mad1</i>	T*K	RAD	CR	IL	LA0961
<i>Mae-1</i>	1	Malic enzyme-1		V*	SPON	VF36	NIL	LA4251
<i>mar</i>		marcescens		T*K	RAD	LU	NON	LA0688
<i>marm</i>		marmorata		G*D	RAD	CR	IL	LA0559
<i>marm</i>	2	marmorata	<i>marm1^2</i>	G*D	RAD	CR	IL	LA0844
<i>mc</i>		macrocalyx		L*M	SPON	X	NON	LA0159
<i>mcn</i>		maculonecrotic		G*H*CF	CHEM	VF36	IL	3-045
<i>mcr</i>		multicolor		B*CH	RAD	LU	IL	LA2047
<i>mcs</i>		macrosepala		L*J	RAD	LU	IL	LA2046
<i>Mdh-1</i>	1	Malate dehydrogenase-1		V*	SPON	X	NON	LA3344
<i>Mdh-1</i>	1	Malate dehydrogenase-1		V*	SPON	VF36	NIL	LA4243
<i>Mdh-4</i>	1	Malate dehydrogenase-4		V*		pen	NON	LA2990
<i>Mdh-4</i>	1	Malate dehydrogenase-4		V*		VF36	NIL	LA4283
<i>Me</i>		Mouse ears		J*K	SPON	RU	IL	LA0324
<i>Me</i>		Mouse ears		J*K	SPON	AC	NIL	LA3552
<i>med</i>		mediocris	<i>med1</i>	K*	RAD	CR	IL	LA0962
<i>mel</i>		melongenoida	<i>mel1</i>	O*K	RAD	LU	IL	LA0963
<i>mgn</i>		marginal necrotic		H*C	CHEM	VF36	IL	3-025
<i>Mi</i>		Meloidogyne incognita resist.		Q*	SPON	VFN8	NON	LA1022
<i>Mi</i>		Meloidogyne incognita resist.		Q*	SPON	MM	NIL	LA2819
<i>Mi-3</i>		Meloidogyne incognita resist.-3		Q*	SPON	per	NON	LA3858
<i>mic</i>		microcarpa	<i>mic1</i>	D*GLO	RAD	CR	IL	LA0845
<i>mn</i>		minuta	<i>mi</i>	K*CJ	RAD	CR	IL	LA0614
<i>mon</i>		monstrosa		K*J	RAD	AC	NIL	LA3826
<i>mon</i>		monstrosa		K*J	RAD	CR	IL	LA0615
<i>mor</i>		morata	<i>mor1</i>	E*K	RAD	RR	IL	LA0848
<i>ms-2</i>		male-sterile-2	<i>ms2</i>	N*	SPON	PSN	IL	2-031
<i>ms-3</i>		male-sterile-3	<i>ms3</i>	N*	SPON	SM	IL	2-032
<i>ms-5</i>		male-sterile-5	<i>ms5</i>	N*	SPON	SM	IL	2-039
<i>ms-6</i>		male-sterile-6	<i>ms6</i>	N*	SPON	SM	IL	2-044
<i>ms-7</i>		male-sterile-7	<i>ms7</i>	N*	SPON	SM	IL	2-089
<i>ms-9</i>		male-sterile-9	<i>ms9</i>	N*	SPON	SM	IL	2-121
<i>ms-10</i>		male-sterile-10	<i>ms10</i>	N*	SPON	SM	IL	2-132
<i>ms-10</i>	35	male-sterile-10	<i>ms-35, ms35</i>	N*	SPON	VF11	IL	2-517
<i>ms-10</i>	36	male-sterile-10	<i>ms-36</i>	N*	SPON	VF36	IL	2-635
<i>ms-11</i>		male-sterile-11	<i>ms11</i>	N*	SPON	SM	IL	2-152
<i>ms-12</i>		male-sterile-12	<i>ms12</i>	N*	SPON	SM	IL	2-161
<i>ms-13</i>		male-sterile-13	<i>ms13</i>	N*	SPON	SM	IL	2-165
<i>ms-14</i>		male-sterile-14	<i>ms14</i>	N*	SPON	ERL	IL	2-175
<i>ms-15</i>		male-sterile-15	<i>ms15</i>	N*	SPON	SM	IL	2-193
<i>ms-15</i>	26	male-sterile-15	<i>ms26, ms-26</i>	N*	SPON	VE	IL	2-327
<i>ms-15</i>	47	male-sterile-15	<i>ms-47</i>	N*	SPON	UC82B	NIL	2-837
<i>ms-16</i>		male-sterile-16	<i>ms16</i>	N*	SPON	PRT	IL	LA0062
<i>ms-17</i>		male-sterile-17	<i>ms17</i>	N*	SPON	ACE	IL	2-225
<i>ms-18</i>		male-sterile-18	<i>ms18</i>	N*	SPON	C255	IL	2-233
<i>ms-23</i>		male-sterile-23	<i>ms23</i>	N*	SPON	EPK	IL	2-273
<i>ms-24</i>		male-sterile-24	<i>ms24</i>	N*	SPON	EPK	IL	2-277

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<i>ms-25</i>		male-sterile-25	<i>ms25</i>	N*	SPON	RTVF	IL	2-313
<i>ms-27</i>		male-sterile-27	<i>ms27</i>	N*	SPON	VE	IL	2-331
<i>ms-28</i>		male-sterile-28	<i>ms28</i>	N*	SPON	XLP	IL	2-355
<i>ms-29</i>		male-sterile-29	<i>ms29</i>	N*	SPON	CPC2	IL	2-423
<i>ms-30</i>		male-sterile-30	<i>ms30</i>	N*	SPON	SM	IL	2-455
<i>ms-31</i>		male-sterile-31	<i>ms31</i>	N*	SPON	VF6	IL	2-461
<i>ms-32</i>		male-sterile-32	<i>ms32</i>	N*	SPON	cer	NON	LA0359
<i>ms-32</i>		male-sterile-32	<i>ms32</i>	N*	SPON	POR	NIL	LA2715
<i>ms-32</i>		male-sterile-32	<i>ms32</i>	N*	SPON	M168	NIL	LA2714
<i>ms-32</i>		male-sterile-32	<i>ms32</i>	N*	SPON	MNB	NIL	LA2712
<i>ms-32</i>		male-sterile-32	<i>ms32</i>	N*	SPON	M167	NIL	LA2713
<i>ms-33</i>		male-sterile-33	<i>ms33</i>	N*	SPON	VF11	IL	2-511
<i>ms-34</i>		male-sterile-34	<i>ms34</i>	N*	SPON	VF11	IL	2-513
<i>ms-38</i>		male-sterile-38	<i>ms38</i>	N*	SPON	VF36	IL	2-539
<i>ms-38</i>	40	male-sterile-38	<i>ms-40</i>	N*	SPON	VF36	IL	2-553
<i>ms-39</i>		male-sterile-39		N*	SPON	VF36	IL	2-549
<i>ms-44</i>		male-sterile-44		N*J	CHEM	SM	IL	LA2090
<i>ms-45</i>		male-sterile-45		N*	SPON	VFN8	IL	2-659
<i>ms-46</i>		male-sterile-46		N*	SPON	VFN8	IL	2-681
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	MR20	NIL	LA3193
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	T5	NIL	LA3198
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	TVD	NIL	LA3192
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	VF36	NIL	LA3191
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	CSM	IL	2-839
<i>Ms-48</i>		Male-sterile-48		N*	CHEM	VCH	NIL	LA3199
<i>ms-49</i>		male-sterile-49		N*	SPON	per	NON	LA1161
<i>ms-50</i>		male sterile-50		N*	RAD	T5	IL	LA3149
<i>mt</i>		midget		K*N	SPON	NRT	NON	LA0282
<i>mta</i>		mutata	<i>mta1</i>	K*EFJ	RAD	RR	IL	LA0965
<i>mts</i>		mortalis	<i>mts1</i>	K*JM	RAD	RR	IL	LA0849
<i>mu</i>		multinervis		D*J	RAD	CR	IL	LA0690
<i>mu</i>		multinervis		D*J	RAD	AC	NIL	LA3573
<i>mu</i>	3	multinervis	<i>rv-3</i>	D*J	CHEM	VF36	IL	3-033
<i>mua</i>		multifurcata	<i>mua1</i>	K*M	RAD	CR	IL	LA0851
<i>muf</i>		multifolia		J*DK	RAD	RR	IL	LA0689
<i>mult</i>		multiflora		M*	RAD	CR	IL	LA0560
<i>mup</i>		multiplicata	<i>mup1</i>	M*L	RAD	RR	IL	LA0846
<i>mut</i>		mutabilia	<i>mut1</i>	K*DT	RAD	RR	IL	LA0866
<i>muv-2</i>		multivalens-2	<i>mus1</i>	C*FJK	RAD	CR	IL	LA0964
<i>muv-2</i>		multivalens-2	<i>mus1</i>	C*FJK	RAD	AC	NIL	LA3758
<i>mux</i>		multiplex	<i>mux1</i>	L*KM	RAD	CR	IL	LA0847
<i>n</i>		nipple-tip	<i>nt</i>	O*	SPON	X	NON	LA2353
<i>n</i>		nipple-tip	<i>nt</i>	O*	SPON	X	NON	LA2370
<i>na</i>		nana		K*J	RAD	CR	IL	LA0561
<i>nc</i>		narrow cotyledons		J*	SPON	AC	NIL	LA3178
<i>nd</i>		netted	<i>m-4</i>	F*	RAD	AC	NIL	LA3584
<i>ndw</i>		necrotic dwarf		H*JK	SPON	X	NON	LA3142
<i>ndw</i>		necrotic dwarf		H*JK	SPON	M82	NIL	LA4061
<i>ne</i>		necrotic		H*	SPON	X	NON	LA2350
<i>ne</i>		necrotic		H*	SPON	AC	NIL	LA3084
<i>neg</i>		neglecta		H*DK	RAD	CR	IL	LA0562
<i>neg</i>		neglecta		H*DK	RAD	AC	NIL	LA3746
<i>neg</i>	<i>ne-2</i>	neglecta	<i>ne-2, ne2</i>	H*DK	RAD	AC	NIL	LA3621
<i>neg</i>	<i>ne-2</i>	neglecta	<i>ne-2, ne2</i>	H*DK	RAD	CT	IL	LA2454

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<i>neg</i>	<i>ne-2</i>	neglecta	<i>ne-2, ne2</i>	H*DK	RAD	X	NON	LA2489
<i>nor</i>		non-ripening		P*	SPON	AC	NIL	LA3770
<i>nor</i>		non-ripening		P*	SPON	X	NON	LA1793
<i>nor</i>		non-ripening		P*	SPON	RU	NIL	LA3013
<i>not</i>		notabilis		W*JY	RAD	LU	IL	LA0617
<i>not</i>		notabilis		W*JY	RAD	AC	NIL	LA3614
<i>Nr</i>		Never ripe		P*	SPON	AC	NIL	LA3537
<i>Nr</i>		Never ripe		P*	SPON	PSN	IL	LA0162
<i>Nr</i>		Never ripe		P*	SPON	RU	NIL	LA3001
<i>nv</i>		netted virescent		E*F	SPON	X	NON	LA0786
<i>o</i>		ovate		O*	SPON	AC	NIL	LA3543
<i>o</i>	<i>l</i>	ovate	<i>ol, O^1</i>	O*	SPON	X	NON	LA0271
<i>ob</i>		obscura		T*K	RAD	RR	IL	LA0691
<i>obl</i>		oblate fruit		O*	RAD	MM	NIL	LA1159
<i>obv</i>		obscuravenosa		U*X	SPON	M82	NON	LA3475
<i>obv</i>	+	obscuravenosa		U*X	SPON	M82	NON	LA4057
<i>oc</i>		ochroleuca		G*BK	RAD	RR	IL	LA0692
<i>Od</i>		Odorless		I*	SPON	PCV	NON	LA0292
<i>oli</i>		olivacea		K*U	RAD	AC	NIL	LA3722
<i>op</i>		opaca		D*CF	RAD	CR	IL	LA0618
<i>op</i>		opaca		D*CF	RAD	AC	NIL	LA3567
<i>opa</i>		opacata	<i>opa1</i>	E*K	RAD	CR	IL	LA0966
<i>or</i>		ordinata		D*F	RAD	RR	IL	LA2048
<i>Ora</i>		<i>Orobanche aegyptica</i> resistance		Q*	SPON	X	NON	LA2530
<i>os</i>		oligosperma	<i>os1</i>	K*JT	RAD	CR	IL	LA0868
<i>ovi</i>		oviformis	<i>ovi1</i>	J*O	RAD	LU	IL	LA0967
<i>p</i>		peach		O*I	SPON	X	NON	LA2357
<i>pa-2</i>		parva-2	<i>pa1, pa2</i>	K*J	RAD	CR	IL	LA0970
<i>pal</i>		pallida		D*L	RAD	CR	IL	LA0563
<i>pap</i>		paupercula		J*W	RAD	RR	IL	LA2050
<i>pas</i>		pallescens	<i>pas1</i>	D*K	RAD	CR	IL	LA0968
<i>pat</i>		parthenocarpic fruit		S*	CHEM	ROMA	IL	LA2013
<i>pat-2</i>		parthenocarpic fruit-2		S*	SPON	X	NON	LA2413
<i>pau</i>		pauper		K*	RAD	CR	NON	LA0877
<i>pct</i>		polycot		J*KLMS	SPON	MM	NON	LA2896
<i>pcv</i>		polychrome variegated		G*BDJ	SPON	X	NON	LA1199
<i>pcd</i>		pudica		K*JT	CHEM	VF36	IL	3-047
<i>pds</i>		phosphorus deficiency syndrome	<i>Ph-oid</i>	A*CY	SPON	X	NON	LA0813
<i>pdw</i>		pale dwarf		V*	SPON	X	NON	LA2457
<i>pdw</i>		pale dwarf		V*	SPON	X	NON	LA2490
<i>pe</i>		sticky peel		O*	SPON	X	NON	LA0759
<i>pen</i>		pendens		J*C	RAD	AC	NIL	LA3293
<i>pen</i>		pendens		J*C	RAD	CR	IL	LA0694
<i>per</i>		perviridis		A*KT	RAD	RR	IL	LA0564
<i>pet</i>		penetrabile	<i>pet-2, pet2</i>	K*J	RAD	CR	IL	LA0971
<i>Pgdh-2</i>	1	6-Phosphogluconate dehydrogenase-2		V*	SPON	pen	NON	LA2991
<i>Pgdh-3</i>	1	6-Phosphogluconate dehydrog.-3		V*	SPON	pen	NON	LA2434
<i>Pgi-1</i>	1	Phosphoglucoisomerase-1		V*	SPON	pen	NON	LA2435
<i>Pgi-1</i>	2	Phosphoglucoisomerase-1		V*	SPON	par	NON	LA2436
<i>Pgm-1</i>	1	Phosphoglucomutase-1		V*	SPON	hir	NON	LA2437
<i>Pgm-2</i>	1	Phosphoglucomutase-2		V*	SPON	pen	NON	LA2438
<i>Ph</i>		<i>Phytophthora infestans</i> resist.	<i>PiT, TR1</i>	Q*	SPON	X	NON	LA2009
<i>Ph-2</i>		<i>Phytophthora infestans</i> resist.-2		Q*	SPON	UC82	NIL	LA3151

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<i>Ph-2</i>		<i>Phytophthora infestans</i> resist.-2		Q*	SPON	MNB	NIL	LA3152
<i>Ph-3</i>		<i>Phytophthora infestans</i> resist.-3		Q		CLN226 4F	NON	LA4285
<i>Ph-3</i>		<i>Phytophthora infestans</i> resist.-3		Q		CLN226 4G	NON	LA4286
<i>phyB2</i>		phytochrome B2		AE*	RAD	MM	IL	LA4358
<i>pi</i>		pistillate		L*N	SPON	SM	IL	2-137
<i>pi-2</i>		pistillate-2		N*LM	CHEM	CSM	IL	3-802
<i>pic</i>		picta		H*C	RAD	CR	IL	LA0620
<i>pl</i>		perlucida	<i>pl1</i>	D*CJ	RAD	CR	IL	LA0867
<i>pl</i>		perlucida	<i>pl1</i>	D*CJ	RAD	AC	NIL	LA3296
<i>pla</i>		plana		D*CK	RAD	CR	IL	LA0695
<i>pli</i>		plicata		K*ABJ	RAD	AC	NIL	LA3672
<i>pli</i>		plicata		K*ABJ	RAD	LU	IL	LA0696
<i>pm</i>		praematura	<i>pm1</i>	Z*CJK	RAD	RR	IL	LA0855
<i>Pn</i>		Punctate		A*I	SPON	AC	NIL	LA3089
<i>Pn</i>		Punctate		A*I	SPON	X	NON	LA0812
<i>pol</i>		polylopha		K*JO	RAD	LU	IL	LA0697
<i>pp</i>		polyphylla	<i>pp1</i>	J*D	RAD	RR	IL	LA0860
<i>ppa</i>		purpurea		A*	RAD	LU	IL	LA2054
<i>pr</i>		propeller		J*	RAD	AC	NIL	LA2925
<i>pr</i>		propeller		J*	RAD	X	NON	LA0326
<i>prc</i>		procumbens		K*CJ	RAD	CR	IL	LA0698
<i>pre</i>		pressa		K*J	RAD	RR	IL	LA2053
<i>pro</i>		procera		J*Z	RAD	CR	IL	LA0565
<i>pro</i>		procera		J*Z	RAD	AC	NIL	LA3283
<i>prt</i>		protea	<i>prt1</i>	C*JK	RAD	CR	IL	LA0972
<i>prun</i>		prunoidea		O*J	RAD	LU	IL	LA0566
<i>Prx-1</i>	1	Peroxidase-1		V*	SPON	pim	NON	LA1837
<i>Prx-1</i>	2	Peroxidase-1		V*	SPON	pim	NON	LA1838
<i>Prx-1</i>	3	Peroxidase-1		V*	SPON	pim	NON	LA1839
<i>Prx-1</i>	4	Peroxidase-1		V*	SPON	chm	NON	LA1840
<i>Prx-1</i>	5	Peroxidase-1		V*	SPON	pim	NON	LA1841
<i>Prx-1</i>	<i>n</i>	Peroxidase-1		V*	SPON	pim	NON	LA1836
<i>Prx-2</i>	1	Peroxidase-2		V*	SPON	cer	NON	LA1843
<i>Prx-2</i>	3	Peroxidase-2		V*	SPON	pim	NON	LA1845
<i>Prx-2</i>	<i>n</i>	Peroxidase-2		V*	SPON	pim	NON	LA1842
<i>Prx-3</i>	1	Peroxidase-3		V*	SPON	pim	NON	LA1847
<i>Prx-3</i>	2	Peroxidase-3		V*	SPON	pim	NON	LA1848
<i>Prx-3</i>	<i>a1</i>	Peroxidase-3		V*	SPON	chm	NON	LA1849
<i>Prx-3</i>	<i>n</i>	Peroxidase-3		V*	SPON	pim	NON	LA1846
<i>Prx-4</i>	1	Peroxidase-4		V*	SPON	pim	NON	LA1850
<i>Prx-4</i>	10	Peroxidase-4		V*	SPON	cer	NON	LA1859
<i>Prx-4</i>	11	Peroxidase-4		V*	SPON	pim	NON	LA1860
<i>Prx-4</i>	12	Peroxidase-4		V*	SPON	pim	NON	LA1861
<i>Prx-4</i>	13	Peroxidase-4		V*	SPON	pim	NON	LA1862
<i>Prx-4</i>	14	Peroxidase-4		V*	SPON	pim	NON	LA1863
<i>Prx-4</i>	15	Peroxidase-4		V*	SPON	pim	NON	LA1864
<i>Prx-4</i>	17	Peroxidase-4		V*	SPON	pim	NON	LA1866
<i>Prx-4</i>	18	Peroxidase-4		V*	SPON	pim	NON	LA1867
<i>Prx-4</i>	19	Peroxidase-4		V*	SPON	pim	NON	LA1868
<i>Prx-4</i>	2	Peroxidase-4		V*	SPON	pim	NON	LA1851
<i>Prx-4</i>	20	Peroxidase-4		V*	SPON	cer	NON	LA1869
<i>Prx-4</i>	21	Peroxidase-4		V*	SPON	pim	NON	LA1870

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<i>Prx-4</i>	23	Peroxidase-4		V*	SPON	pim	NON	LA1872
<i>Prx-4</i>	3	Peroxidase-4		V*	SPON	pim	NON	LA1852
<i>Prx-4</i>	4	Peroxidase-4		V*	SPON	chm	NON	LA1853
<i>Prx-4</i>	5	Peroxidase-4		V*	SPON	chm	NON	LA1854
<i>Prx-4</i>	6	Peroxidase-4		V*	SPON	par	NON	LA1855
<i>Prx-4</i>	7	Peroxidase-4		V*	SPON	STN	NON	LA1856
<i>Prx-4</i>	8	Peroxidase-4		V*	SPON	pim	NON	LA1857
<i>Prx-4</i>	9	Peroxidase-4		V*	SPON	pim	NON	LA1858
<i>Prx-7</i>	2	Peroxidase-7		V*	SPON	pim	NON	LA1874
<i>Prx-7</i>	<i>n</i>	Peroxidase-7		V*	SPON	pim	NON	LA1875
<i>ps</i>		positional sterile	<i>va</i>	L*N	SPON	JBR	IL	LA0063
<i>ps</i>	<i>prov2</i>	positional sterile	<i>ps</i>	L*N	SPON	PSN	IL	2-303
<i>ps-2</i>		positional sterile-2		L*N	SPON	X	NON	LA2010
<i>ps-2</i>		positional sterile-2		L*N	SPON	VRB	IL	LA3631
<i>ps-2</i>		positional sterile-2		L*N	SPON	STR24	NON	LA3632
<i>psa</i>		perspicua		D*J	RAD	LU	IL	LA2051
<i>pst</i>		persistent style		O*	SPON	ESC	IL	2-005
<i>pt</i>		petite		D*J	RAD	AC	NIL	LA3768
<i>pta</i>		partiaria		J*	RAD	RR	IL	LA2049
<i>ptb</i>		protuberant		O*	SPON	X	NON	LA1017
<i>ptb</i>		protuberant		O*	SPON	X	NON	LA1018
<i>Pto</i>		<i>Pseudomonas syringae</i> pv tomato resistance		Q*	SPON	MM	NIL	LA3472
<i>Pto</i>		<i>Pseudomonas syringae</i> pv tomato resis.		Q*	SPON	X	NON	LA2396
<i>Pto</i>		<i>Pseudomonas syringae</i> pv tomato resis.		Q*	SPON	RG	NIL	LA3342
<i>Pto</i>	2	<i>Pseudomonas syringae</i> pv tomato resis.		Q*	SPON	RH13	NON	LA3129
<i>Pto</i>	<i>Pto-2</i>	<i>Pseudomonas syringae</i> pv tomato resis.	<i>Pto-2</i>	Q*	SPON	pim	NON	LA2934
<i>Pts</i>		Petroselinum		J*	SPON	VF36	NIL	LA2532
<i>pu</i>		pulvinata	<i>pul</i>	K*J	RAD	RR	IL	LA0621
<i>pu</i>	2	pulvinata	<i>pu2</i>	K*J	RAD	CR	IL	LA0973
<i>pum</i>		pumila		K*	RAD	CR	IL	LA0567
<i>pum</i>		pumila		K*	RAD	AC	NIL	LA3741
<i>pun</i>		punctata	<i>pun1</i>	J*DGKT	RAD	RR	IL	LA0974
<i>pur</i>		purilla		K*C	RAD	CR	NON	LA0568
<i>px</i>		praecox	<i>px1</i>	K*JOZ	RAD	LU	IL	LA0856
<i>py</i>		pyramidalis		K*CJT	RAD	RR	IL	LA2055
<i>pyl</i>		<i>Pyrenochaeta lycopersici</i> resist.	<i>py, py-1</i>	Q*	SPON	X	NON	LA2531A
<i>r</i>		yellow flesh		P*	SPON	RU	NIL	LA2997
<i>r</i>		yellow flesh		P*	SPON	C37	NIL	LA3003
<i>r</i>		yellow flesh		P*	SPON	AC	NIL	LA3532
<i>r</i>	(2s)	yellow flesh	<i>r<sup>3</sup>, r-2, r2</i>	P*	RAD	RR	IL	LA2056
<i>r</i>	<i>prov4</i>	yellow flesh	<i>r</i>	P*	SPON	PSN	IL	2-141
<i>r</i>	<i>prov5</i>	yellow flesh	<i>r</i>	P*	SPON	EPK	IL	LA0353
<i>ra</i>		rava		D*CIJK	RAD	CR	IL	LA0569
<i>ra</i>	2	rava	<i>gri</i>	D*CIJK	RAD	RR	IL	LA0678
<i>rd</i>		reduced		K*	SPON	X	NON	LA2459B
<i>re</i>		reptans		K*	RAD	RR	IL	LA0624
<i>rela</i>		relaxata		K*D	RAD	AC	NIL	LA3757
<i>rela</i>		relaxata		K*D	RAD	CR	IL	LA0622
<i>rep</i>		repens		K*J	RAD	CR	IL	LA0623
<i>rep-2</i>		repens-2		K*J	RAD	LU	IL	LA2057

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<i>res</i>		restricta	<i>res1</i>	C*ADJK	RAD	RR	IL	LA1085
<i>res</i>		restricta	<i>res1</i>	C*ADJK	RAD	AC	NIL	LA3756
<i>Rg-1</i>		Regeneration-1			SPON	GT	NON	LA4136
<i>ri</i>		ridged	<i>rl</i>	J*R	RAD	X	NON	LA1794
<i>ri</i>		ridged	<i>rl</i>	J*R	RAD	AC	NIL	LA3180
<i>ria</i>		rigidula	<i>ria1</i>	C*JKT	RAD	CR	IL	LA0825
<i>ria</i>	2	rigidula	<i>ria1^2</i>	C*JKT	RAD	LU	IL	LA0975
<i>rig</i>		rigida		C*K	RAD	CR	IL	LA0699
<i>rig</i>	2	rigida	<i>pca, pca1</i>	C*K	RAD	LU	IL	LA0822
<i>rig-2</i>		rigida-2		C*K	RAD	AC	NIL	LA3716
<i>rin</i>		ripening inhibitor		P*	SPON	X	NON	LA1795
<i>rin</i>		ripening inhibitor		P*	SPON	RU	NIL	LA3012
<i>rin</i>		ripening inhibitor		P*	SPON	AC	NIL	LA3754
<i>rl</i>		radial cracking resistance	<i>ra</i>	O*	SPON	AC	NIL	LA3092
<i>ro</i>		rosette		K*	RAD	X	NON	LA0270
<i>roa</i>		rotundata	<i>roa1</i>	J*DK	RAD	CR	IL	LA0976
<i>rot</i>		rotundifolia		J*K	RAD	RR	IL	LA0700
<i>rot</i>		rotundifolia		J*K	RAD	AC	NIL	LA3751
<i>Rs</i>		Root suppressed		R*	RAD	X	NON	LA1796
<i>rt</i>		potato virus Y resistance		Q*	SPON	SCZ	IL	LA1995
<i>rtd</i>		retarded dwarf		J*K	SPON	X	NON	LA1058
<i>ru</i>		ruptilis		J*D	RAD	CR	IL	LA0626
<i>ru</i>		ruptilis		J*D	RAD	AC	NIL	LA3440
<i>ru</i>	<i>prov2</i>	ruptilis	<i>ru</i>	J*D	CHEM	VF36	IL	3-081
<i>rust</i>		rustica		K*J	RAD	LU	IL	LA0573
<i>rust</i>		rustica		K*J	RAD	AC	NIL	LA3766
<i>rv-2</i>		reticulate virescent-2		D*C	CHEM	SX	IL	LA2011
<i>rvt</i>		red vascular tissue		X*	SPON	X	NON	LA1799
<i>s</i>		compound inflorescence		M*	SPON	AC	NIL	LA3181
<i>s</i>		compound inflorescence		M*	SPON	X	NON	LA0330
<i>sa</i>		sphacelata	<i>sa1</i>	H*CK	RAD	CR	IL	LA0865
<i>sar</i>		squarulosa	<i>sar1</i>	K*	RAD	CR	IL	LA0978
<i>scf</i>		scurfy		J*	SPON	PCV	NON	LA0767
<i>scl</i>		seasonal chlorotic lethal		C*	SPON	X	NON	LA1007
<i>sd</i>		sun dwarf		K*	SPON	X	NON	LA0015
<i>sd</i>		sun dwarf		K*	SPON	AC	NIL	LA3182
<i>Se</i>		<i>Septoria lycopersici</i> resistance		Q*	SPON	X	NON	LA1800
<i>sem</i>		semiglobosa		K*JT	RAD	CR	IL	LA0701
<i>ses</i>		semisterilis	<i>ses1</i>	C*DKN	RAD	LU	IL	LA0826
<i>sf</i>		solanifolia		J*LO	SPON	AC	NIL	LA3674
<i>sf</i>		solanifolia		J*LO	SPON	PSN	IL	2-311
<i>sf</i>	<i>wl</i>	solanifolia	<i>wl, wr</i>	J*LO	CHEM	ROMA	IL	LA2012
<i>sfa</i>		sufflaminata	<i>sfa1</i>	C*AEK	RAD	RR	IL	LA0862
<i>sfa</i>	2	sufflaminata	<i>par</i>	C*AEK	RAD	CR	IL	LA0969
<i>sft</i>		single flower truss		M*	SPON	PTN	IL	LA2460
<i>sh</i>		sherry		P*	RAD	CX	IL	LA2644
<i>sha</i>		short anthers		L*N	CHEM	ROMA	IL	LA2013
<i>si</i>		sinuata		E*JK	RAD	RR	IL	LA0993
<i>si</i>		sinuata		E*JK	RAD	AC	NIL	LA3728B
<i>sig-1</i>		signal transduction-1	<i>JL1</i>	Y*	CHEM	CSM	IL	LA3318
<i>sig-2</i>		signal transduction-2	<i>JL5</i>	Y*	CHEM	CSM	IL	LA3319
<i>sit</i>		sitiens		W*HJKY	RAD	RR	IL	LA0574
<i>Skdh-1</i>	1	Shikimic acid dehydrogenase-1		V*	SPON	pen	NON	LA2439
<i>sl</i>		stamenless		L*N	SPON	X	NON	LA0269

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<i>sl</i>		stamenless		L*N	SPON	AC	NIL	LA3816
<i>sl</i>	<i>cs</i>	stamenless	<i>cs, sl<sup>5</sup>, sl5</i>	L*N	SPON	ONT	IL	LA1789
<i>sl-2</i>		stamenless-2	<i>sl2</i>	L*N	SPON	X	NON	LA1801
<i>slx</i>		serrate lax leaf		J*	SPON	PCV	NON	LA0503
<i>Sm</i>		<i>Stemphyllium</i> resistance		Q*	SPON	X	NON	LA1802
<i>Sm</i>		<i>Stemphyllium</i> resistance		Q*	SPON	MM	IL	LA2821
<i>sn</i>		singed		I*	SPON	CX	IL	LA2015
<i>snt</i>		Snout	<i>sn</i>	O*	SPON	X	NON	LA0499
<i>so</i>		soluta		J*	RAD	LU	IL	LA2058
<i>sp</i>		self-pruning		K*	SPON	X	NON	LA0154
<i>sp</i>		self-pruning		K*	SPON	X	NON	LA0490
<i>sp</i>		self-pruning		K*	SPON	GRD	NIL	LA3133
<i>sp</i>	<i>+</i>	self-pruning		K*	SPON	M-82	NIL	LA4287
<i>sp</i>	<i>prov2</i>	self-pruning		K*	RAD	spVCH	IL	LA2705
<i>spa</i>		sparsa		E*BK	RAD	CR	IL	LA0703
<i>spe</i>		splendida	<i>spe1</i>	C*K	RAD	RR	IL	LA0977
<i>sph</i>		sphaerica		K*T	RAD	CR	IL	LA0704
<i>sph</i>		sphaerica		K*T	RAD	AC	NIL	LA3744
<i>Spi</i>	<i>2</i>	Sympodial index		K*	SPON	pen	NON	LA0716
<i>spl</i>		splendens	<i>spl1</i>	C*DJ	RAD	LU	IL	LA0821
<i>spl</i>		splendens	<i>spl1</i>	C*DJ	RAD	AC	NIL	LA3282
<i>squa</i>		squarrosa		D*KU	RAD	LU	IL	LA0627
<i>sr</i>		slender stem	<i>sm</i>	J*KU	RAD	CT	IL	LA1803
<i>ss</i>		spongy seed		S*	RAD	AC	NIL	LA3619
<i>sta</i>		stabilis		K*	RAD	RR	IL	LA2060
<i>ste</i>		sterilis		J*DKN	RAD	CR	IL	LA0705
<i>stri</i>		stricta		J*K	RAD	LU	IL	LA0575
<i>stu</i>		stunted		J*	SPON	X	NON	LA2461
<i>su</i>		suffulta		C*JM	RAD	LU	IL	LA0628
<i>su</i>	<i>2</i>	suffulta	<i>exa</i>	C*JM	RAD	RR	IL	LA0853
<i>su</i>	<i>3</i>	suffulta	<i>di</i>	C*J	RAD	CR	IL	LA0599
<i>su</i>	<i>ni</i>	suffulta	<i>di<sup>ni</sup>, ni</i>	C*J	RAD	CR	IL	LA0616
<i>sua</i>		suffusa		D*CK	RAD	RR	IL	LA0707
<i>sub</i>		subtilis		J*K	RAD	LU	IL	LA0576
<i>suc</i>		succedanea		C*JK	RAD	CR	IL	LA0706
<i>sucr</i>		sucrose accumulator	<i>TIV1</i>	P*	SPON	H100	NIL	LA4104
<i>suf</i>		sufflava		D*	RAD	CR	IL	LA0577
<i>suf</i>		sufflava		D*	RAD	AC	NIL	LA3569
<i>sulf</i>	<i>vag</i>	sulfurea		G*N	RAD	X	NON	LA4351
<i>sup</i>		superba		K*JT	RAD	RR	IL	LA2061
<i>Sw-5</i>		Spotted wilt resistance-5		Q*	SPON	X	NON	LA3667
<i>sy</i>		sunny	<i>ye</i>	F*CE	RAD	AC	NIL	LA3553
<i>syv</i>		spotted yellow virescent		F*CG	SPON	PCV	NON	LA1096
<i>t</i>		tangerine		P*L	SPON	X	NON	LA0030
<i>t</i>		tangerine		P*L	SPON	RU	NIL	LA3002
<i>t</i>		tangerine		P*L	SPON	AC	NIL	LA3183
<i>t</i>	<i>v</i>	tangerine		P*L	RAD	CX	IL	LA0351
<i>ta</i>		tarda		D*JK	RAD	CR	IL	LA0708
<i>tab</i>		tabescens		E*HJK	RAD	RR	IL	LA0629
<i>tab</i>		tabescens		E*HJK	RAD	AC	NIL	LA3734
<i>tc</i>		turbinate corolla		L*K	CHEM	SM	IL	LA2017
<i>te</i>		terminata	<i>te1</i>	K*LMO	RAD	LU	IL	LA0861
<i>tem</i>		tempestiva	<i>tem1</i>	K*DJ	RAD	CR	IL	LA0979
<i>ten</i>		tenuis		Y*DK	RAD	CR	IL	LA0578

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>ten</i>		tenuis		Y*DK	RAD	AC	NIL	LA3748
<i>tf</i>		trifoliolate	<i>ct, tri</i>	J*KN	SPON	X	NON	LA0512
<i>tf</i>	2	trifoliolate	<i>tri</i>	J*KN	RAD	CR	IL	LA0579
<i>ti</i>		tiny plant		K*	SPON	X	NON	LA1806
<i>tl</i>		thiaminless		Y*C	SPON	X	NON	LA0758
<i>tl</i>		thiaminless		Y*C	SPON	AC	NIL	LA3712
<i>Tm</i>		Tobacco mosaic virus resistance		Q*	SPON	X	NON	LA2369
<i>Tm-2</i>		Tobacco mosaic virus resist.-2	<i>Tm2</i>	Q*	SPON	VD	NIL	LA3027
<i>Tm-2</i>	<i>a</i>	Tobacco mosaic virus resist.-2	<i>Tm-2^2</i>	Q*	SPON	MM	NIL	LA3310
<i>Tm-2</i>	<i>a</i>	Tobacco mosaic virus resist.-2	<i>Tm-2^2</i>	Q*	SPON	AC	NIL	LA3769
<i>Tm-2</i>	<i>a</i>	Tobacco mosaic virus resist.-2	<i>Tm-2^2</i>	Q*	SPON	VD	NIL	LA3028
<i>tmf</i>		terminating flower		K*M	SPON	X	NON	LA2462
<i>tn</i>		tenera		K*U	RAD	LU	IL	LA2062
<i>tp</i>		tripinnate leaf		J*K	RAD	X	IL	LA0895
<i>tp</i>		tripinnate leaf		J*K	RAD	AC	NIL	LA3184
<i>Tpi-2</i>	1	Triosephosphate isomerase-2		V*	SPON	pen	NON	LA2440
<i>tr</i>		truncata	<i>tr1</i>	D*CJK	RAD	CR	IL	LA0710
<i>tri</i>	1	temporarily red light insensitive	<i>phyB1</i>	AKY*	CHEM	GT	IL	LA3808
<i>tri</i>	1	temporarily red light insensitive	<i>phyB1</i>	AKY*	CHEM	MM	NIL	LA4357
<i>trs</i>		tristis		J*	CHEM		NON	3-057
<i>Ty-1</i>		TYLCV resistance-1		Q*	SPON	X	NIL	LA3473
<i>u</i>		uniform ripening	<i>u1</i>	P*	SPON	LRD	IL	LA0643
<i>u</i>		uniform ripening	<i>u1</i>	P*	SPON	GRD	NIL	LA3035
<i>u</i>		uniform ripening	<i>u1</i>	P*	SPON	AC	NIL	LA3247
<i>u</i>	G	uniform ripening		P*	SPON	X	NON	LA1018
<i>ub</i>		umbraculiformis		J*K	RAD	LU	IL	LA2063
<i>uf</i>		uniflora		M*	SPON	PTN	IL	LA1200
<i>uf</i>		uniflora		M*	SPON	AC	NIL	LA2936
<i>ug</i>		uniform gray-green	<i>u2</i>	P*	SPON	OGA	IL	LA0021
<i>ug</i>		uniform gray-green	<i>u2</i>	P*	SPON	AC	NIL	LA3539
<i>ul</i>		upright leaf		K*	SPON	X	NON	LA2463
<i>um</i>		umbrosa		K*JRT	RAD	CR	IL	LA0630
<i>um</i>		umbrosa		K*JRT	RAD	AC	NIL	LA3733
<i>uni</i>		unicaulis		K*	RAD	CR	IL	LA0580
<i>up</i>		upright pedicel		L*	SPON	FLD	IL	LA2397
<i>upg</i>		upright growth		K*	SPON	X	NON	LA2464A
<i>v-2</i>		virescent-2	<i>v2</i>	F*D	SPON	X	NON	LA2465
<i>v-2</i>		virescent-2	<i>v2</i>	F*D	SPON	AC	NIL	LA3185
<i>v-3</i>		virescent-3	<i>V3</i>	F*B	RAD	X	NON	LA2707
<i>va</i>	<i>dec</i>	varia		F*E	RAD	CR	IL	LA0581
<i>va</i>	<i>dec</i>	varia		F*E	RAD	AC	NIL	LA3669
<i>va</i>	<i>virg</i>	varia		F*E	RAD	CR	IL	LA0582
<i>var</i>		variabilis		D*EK	RAD	CR	IL	LA0583
<i>Ve</i>		<i>Verticillium</i> resistance		Q*	SPON	GRD	NIL	LA3038
<i>Ve</i>		<i>Verticillium</i> resistance		Q*	SPON	AC	NIL	LA3277
<i>Ve</i>		<i>Verticillium</i> resistance		Q*	SPON	MM	NIL	LA2818
<i>ven</i>		venosa		J*BDK	RAD	X	NON	LA0888
<i>ven</i>		venosa		J*BDK	RAD	AC	NIL	LA3564
<i>ver</i>		versicolor	<i>yv-4, ver1</i>	G*C	RAD	CR	IL	LA0632
<i>ves</i>		versiformis	<i>ves1</i>	J*P		pim	IL	LA0859
<i>ves-2</i>		versiformis-2	<i>vf</i>	C*JK	RAD	LU	IL	LA1078
<i>vg</i>		vegetative		L*N	SPON	AC	NIL	LA2916
<i>vga</i>		virgulta	<i>vga1</i>	D*EFK	RAD	RR	IL	LA0858
<i>vi</i>		villous		I*	SPON	X	NON	LA0759

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>vio</i>		violacea		D*A	RAD	LU	IL	LA0633
<i>vio</i>		violacea		D*A	RAD	AC	NIL	LA3734A
<i>vir</i>		viridis		T*J	RAD	CR	IL	LA0585
<i>vlg</i>		virescent light green		F*D	CHEM	VF36	IL	3-128
<i>vms</i>		variable male-sterile		N*L	SPON	SM	IL	2-219
<i>vo</i>		virescent orange		F*CP	SPON	RU	NIL	LA2995
<i>vo</i>		virescent orange		F*CP	SPON	ROVF	IL	LA1435
<i>vra</i>		viridula	<i>vra1</i>	D*JK	RAD	CR	IL	LA0857
<i>vt</i>		vieta		J*CFK	RAD	LU	IL	LA2064
<i>w</i>		wiry		J*LN	RAD	CX	NON	LA0274
<i>w-3</i>		wiry-3	<i>w3, w2</i>	J*LN	RAD	FEY	NON	LA1498
<i>w-4</i>		wiry-4	<i>w4</i>	J*LN	SPON	PSN	IL	2-237
<i>w-6</i>		wiry-6		J*	RAD	RR	IL	LA2065
<i>Wa</i>		White anthers		L*	SPON	VF36	NIL	LA3906
<i>wd</i>		wilty dwarf		R*K	SPON	SM	IL	2-110
<i>wf</i>		white flower		L*	RAD	X	NON	LA0023
<i>wf</i>		white flower		L*	RAD	AC	NIL	LA3575
<i>Wlt</i>		Wilty		W*	SPON	LGPL	NON	LA3203
<i>Wo</i>		Wooly		I*	SPON	AC	NIL	LA3186
<i>Wo</i>		Wooly		I*	SPON	X	IL	LA0053
<i>Wo</i>	<i>m</i>	Wooly		I*	SPON	RU	IL	LA0258
<i>Wo</i>	<i>m</i>	Wooly		I*	SPON	AC	NIL	LA3718
<i>Wo</i>	<i>mz</i>	Wooly		I*	SPON	VF145	IL	LA1908
<i>Wo</i>	<i>v</i>	Wooly		I*	SPON	RU	IL	LA1531
<i>Wo</i>	<i>v</i>	Wooly		I*	SPON	AC	NIL	LA3560
<i>wt</i>		wilty		J*W	SPON	X	NON	LA0030
<i>wv</i>		white virescent		F*B	SPON	AC	NIL	LA3187
<i>wv</i>		white virescent		F*B	SPON	X	NON	LA0659
<i>wv-2</i>		white virescent-2		F*B	SPON	X	NON	LA1150
<i>wv-3</i>		white virescent-3		F*B	SPON	X	NON	LA1432
<i>x</i>		gametophytic factor		N*	SPON	X	NON	LA2348
<i>Xa</i>		Xanthophyllic		C*	SPON	X	NON	LA2470
<i>Xa</i>		Xanthophyllic		C*	SPON	AC	NIL	LA3579
<i>Xa-2</i>		Xanthophyllic-2	<i>Xa2, A</i>	C*	RAD	X	NON	LA4134
<i>Xa-2</i>		Xanthophyllic-2	<i>Xa2, A</i>	C*	RAD	X	NON	LA2471
<i>Xa-2</i>		Xanthophyllic-2	<i>Xa2, A</i>	C*	RAD	AC	NIL	LA3188
<i>Xa-3</i>		Xanthophyllic-3	<i>Xa3</i>	C*	RAD	CR	IL	LA2472
<i>Xa-3</i>		Xanthophyllic-3	<i>Xa3</i>	C*	RAD	AC	NIL	LA3430
<i>xan-2</i>		xantha-2	<i>xan2</i>	C*	RAD	AC	NIL	LA3759
<i>xan-4</i>		xantha-4	<i>xan4</i>	C*	RAD	AC	NIL	LA3760
<i>y</i>		colorless fruit epidermis		P*	SPON	OGA	NON	LA1088
<i>y</i>		colorless fruit epidermis		P*	SPON	AC	NIL	LA3189
<i>yg-2</i>		yellow-green-2	<i>yc, yg282, yg2</i>	E*	RAD	AC	NIL	LA3551
<i>yg-2</i>		yellow-green-2	<i>yc, yg282, yg2</i>	E*	RAD	KK	IL	LA2469A
<i>yg-2</i>	<i>aud</i>	yellow-green-2	<i>yg-2<sup>r</sup>, aud</i>	E*	SPON	AC	NIL	LA3165
<i>yg-2</i>	<i>aud</i>	yellow-green-2	<i>yg-2<sup>r</sup>, aud</i>	E*	SPON	X	NON	LA1008
<i>yg-3</i>		yellow-green-3	<i>yg3, yg330, ye</i>	E*	RAD	KK	NIL	LA2926
<i>yg-4</i>		yellow-green-4	<i>yg4, yl, yg333</i>	E*J	RAD	KK	NIL	LA2927
<i>yg-4</i>		yellow-green-4	<i>yg4, yl, yg333</i>	E*J	RAD	AC	NIL	LA3731
<i>yg-5</i>		yellow-green-5	<i>yw, yg388, yg5</i>	E*	RAD	AC		LA2928B
<i>yg-5</i>		yellow-green-5	<i>yw, yg388, yg5</i>	E*	RAD	RCH	NIL	LA2928
<i>yg-5</i>		yellow-green-5	<i>yw, yg388, yg5</i>	E*	RAD	AC	NIL	LA2928A
<i>yg-9</i>		yellow-green-9		E*	SPON	C28	IL	LA2708
<i>yv</i>		yellow virescent		E*	SPON	AC	NIL	LA3554

Gene	Allele	Locus name	Synonyms	Class	Origin	Back.	Iso.	Accession
<i>yv</i>		yellow virescent		E*	SPON	SM	IL	LA0055
<i>yv</i>	2	yellow virescent	<i>vel</i> <sup>1/2</sup> , <i>vel</i> <sup>1^2</sup>	E*	RAD	CR	IL	LA0981
<i>yv</i>	3	yellow virescent	<i>vel</i>	E*	RAD	CR	IL	LA0631
<i>yv</i>	<i>ms</i>	yellow virescent		E*N		X		LA3907
<i>yv-2</i>		yellow virescent-2		E*	SPON	AC	NIL	LA3190
<i>yv-4</i>		yellow virescent-4		E*	SPON	AC	NIL	LA3570

Table 2. Definition of phenotypic class symbols listed in Table 1.

Class	Description
A	Anthocyanin modifications: intensification, reduction, elimination
B	Chlorophyll deficiency: white or whitish
C	Chlorophyll deficiency: yellow or yellowish
D	Chlorophyll deficiency: light, grey, or dull green
E	Chlorophyll deficiency: yellow-green
F	Virescent: chlorophyll deficiency localized at growing point
G	Variegation, flecking or striping
H	Leaf necrosis
I	Hair modifications: augmentation, reduction, distortion, elimination
J	Leaf form and size
K	Plant habit and size
L	Flower form and color
M	Inflorescence (exclusive of L)
N	Sterility: any condition leading to partial or complete unfruitfulness
O	Fruit form and surface texture
P	Fruit color and flavor, ripening modification
Q	Disease resistance
R	Root modification
S	Seed
T	Foliage color: dark
U	Foliage color, miscellaneous: olive, brown, blue-green
V	Allozyme variant
W	Overwilting stomatal defect
X	Vascular modification
Y	Nutritional or hormonal disorder
Z	Precocious development

Table 3. Definition of abbreviations used for background genotypes in Table 1, and their corresponding accession numbers (n/a = not available).

Back.	Genotype name	Acc.#
A-1	A-1	LA0818
AC	Ailsa Craig	LA2838A
ACE	Ace	LA0516
ALA	Alabama	n/a
AMB	Antimold-B	LA3244
ANU	Anahu	LA3143
BK	Budai Korai	n/a
BOD	Break O'Day	LA1499
C255	Cal 255	LA0198
C28	Campbell 28	LA3317
cer	<i>L. esc.</i> var. <i>cerasiforme</i>	many
CG	Chico Grande	LA3121
che	<i>L. cheesmanii</i>	many
chi	<i>L. chilense</i>	many
chm	<i>L. chmielewskii</i>	many
CR	Condine Red	LA0533
CRGL	Craigella	LA3247
CSM	Castlemart	LA2400
CT	Chatham	n/a
CX	Canary Export	LA3228
E6203	E-6203	LA4024
EPK	Earlipak	LA0266
ERL	Earliana	LA3238
ESC	Early Santa Clara	LA517
FB	Fireball	LA3024
FEY	First Early	n/a
FLD	Flora-Dade	LA3242
GRD	Gardener	LA3030
GSM	Gulf State Market	LA3231
H100	Hunt 100	LA3144
hir	<i>L. hirsutum</i>	many
HSD	Homestead 24	LA3237
JBR	John Baer	LA1089
KK	Kokomo	LA3240
LGPL	Large Plum	LA3203
LK	Laketa	LA0505
LRD	Long Red	LA3232
LU	Lukullus	LA0534
lyc	<i>S. lycopersicoides</i>	many
M167	Montfavet 167	LA2713
M82	M-82	LA3475
M168	Montfavet 168	LA2714
MD	Marmande	LA1504
MGB	Marglobe	LA0502
MM	Moneymaker	LA2706
MNB	Monalbo	LA2818
MP	Manapal	LA2451
NRT	Norton	n/a
O8245	Ohio 8245	n/a
OGA	Ohio Globe A	LA1088
ONT	Ontario	n/a
par	<i>L. parviflorum</i>	many
PCV	primitive cultivar	n/a

Back.	Genotype name	Acc.#
pen	<i>L. pennellii</i>	many
per	<i>L. peruvianum</i>	many
pim	<i>L. pimpinellifolium</i>	many
PLB	Pieralbo	n/a
POR	Porphyre	LA2715
PRI	Primabel	LA3903
PRN	Prairiana	LA3236
PRT	Pritchard	LA3233
PSN	Pearson	LA0012
PSP	Prospero	LA3229
PTN	Platense	LA3243
RCH	Red Cherry	LA0337
RG	Rio Grande	LA3343
RH13	Rehovot 13	LA3129
RNH	Rouge Naine Hative	n/a
ROMA	Roma	n/a
ROVF	Roma VF	n/a
RR	Rheinlands Ruhm	LA0535
RSWT	Roumanian Sweet	LA0503
RTVF	Red Top VF	LA0276
RU	Rutgers	LA1090
SCZ	Santa Cruz	LA1021
SM	San Marzano	LA0180
spVCH	VFNT Cherry (sp)	LA2705
SPZ	San Pancrazio	n/a
STD	Stokesdale	LA1091
STN	Stone	LA1506
STR24	Start 24	LA3632
SX	Sioux	LA3234
T338	UC-T338	LA2939
T-5	UC-T5	LA2399
TGR	Targinnie Red	LA3230
TVD	Vendor (Tm-2a)	LA2968
UC82	UC-82B	LA1706
VCH	VFNT Cherry	LA1221
VD	Vendor	LA3122
VE	Van's Early	n/a
VF11	VF-11	LA0744
VF145	VF-145 78-79	LA1222
VF36	VF-36	LA0490
VF6	VF-6	LA0743
VFN8	VFN-8	LA1022
VFSM	VF San Marzano	n/a
VGB	Vagabond	LA3246
VRB	Vrbikanske nizke	LA3630
VTG	Vantage	LA3905
WA	Walter	LA3465
X	unknown or hybrid	n/a
XLP	XL Pearson	n/a