#### Revised List of Miscellaneous Stocks

Roger T Chetelat

C.M. Rick Tomato Genetics Resource Center, Dept. of Plant Sciences, University of California, Davis, CA 95616

This list of approx. 1,625 miscellaneous genetic stocks is a revision of the previous one issued in TGC 59 (2009). Extinct, obsolete, or faulty accessions have been dropped. New stocks include the cultivars Paul Robeson, Black Cherry, Black Plum, and Nyagous, each containing different alleles of the *gf* mutation, and provided by Cornelius Barry. Other new items on the cultivar list are: Stack's Cherry, a line used by Steve Stack's group at Colorado State Univ. for cytogenetic studies; Florida 8516, a source of TSWV resistance, and Hawaii 7981 with bacterial spot resistance, both donated by Jay Scott. The list of Latin American cultivars now includes additional cultivated accessions of cherry tomatoes that had previously been categorized as wild species. New marker stocks include combinations of anthocyanin deficiencies with either 'crimson' ( $B^c$ ) or *positional sterile* (ps) genes, which were donated by Bistra Atanassova; also, double and triple mutants controlling flower/inflorescence development (uf, sp, s, bl, j) contributed by Muriel Quinet; and a stock of *Cnr-y*, a double mutant affecting fruit ripening and skin color donated by Andrew Thompson. Several formerly inactive autotetraploid stocks were revived and are now listed.

We attempt to maintain all listed accessions in adequate seed supply for distribution. However, some stocks, such as certain multiple marker combinations, aneuploids, or prebreds, are weak and require special cultural care; consequently, seed supplies may at times be too low to permit distribution. Other accessions may be temporarily unavailable during seed regeneration or for other reasons.

Names and phenotypic classes of individual mutations are given in our most recent Monogenic Stocks List (see TGC 61). Additional information is available through our website (http://tgrc.ucdavis.edu).

#### **Types of Miscellaneous Genetic Stocks**

- 1. Modern and Vintage Cultivars
- 2. Latin American Cultivars
- 3. Introgression Lines
- 4. Backcross Recombinant Inbreds
- 5. Alien Substitution Lines
- 6. Monosomic Alien Addition Lines
- 7. Other Prebred Lines
- 8. Interspecific Hybrids
- 9. Stress Tolerant Stocks

- 10. Translocations
- 11. Trisomics
- 12. Autotetraploids
- 13. Cytoplasmic Variants
- 14. Chromosome Marker Stocks
- 15. Linkage Screening Testers
- 16. Miscellaneous Marker Combinations
- 17. Provisional mutants

## 1. Modern and Vintage Cultivars (209 accessions)

We maintain the following set of cultivars, inbreds, and breeding lines for various purposes, mainly as isogenic (or nearly isogenic) stocks for specific mutants, standards for genetic comparison, sources of disease resistances, or other purposes. Marglobe is considered the standard for tomato gene (mutant) nomenclature. Most lines have been maintained by selfing for many generations.

LA	Cultivar	LA	Cultivar	LA	Cultivar
LA0818	A-1	LA0516	Ace	LA2838A	Ailsa Craig

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LA3247         Craigella           LA1162         Cuba Plum           Dwarf San         Marzano           LA0313         Dwarf Stone           LA3245         E.S.1           LA4024         E-6203           LA3238         Earliana           LA2006         Earlinorth           LA3010         Earlipak           LA0266         Earlipak           LA0517         Early Santa Clara           LA2711         Edkawi           Fargo Self-pruning         Fasthest North           LA3801         Farthest North           LA3024         Fireball           LA3242         Flora-Dade           LA3840         Florida 7060			
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Dwarf San  LA1219 Marzano  LA0313 Dwarf Stone  LA3245 E.S.1  LA4024 E-6203  LA3238 Earliana  LA2006 Earlinorth  LA3010 Earlipak  LA0266 Earlipak  LA0517 Early Santa Clara  LA2711 Edkawi  Fargo Self- pruning  LA3800 pruning  LA3801 Farthest North  LA3024 Fireball  LA3242 Flora-Dade  LA3840 Florida 7060	LA3247	Craigella	
LA1219 Marzano LA0313 Dwarf Stone LA3245 E.S.1 LA4024 E-6203 LA3238 Earliana LA2006 Earlinorth LA3010 Earlipak LA0266 Earlipak LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- pruning LA3800 pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060	LA1162		
LA0313         Dwarf Stone           LA3245         E.S.1           LA4024         E-6203           LA3238         Earliana           LA2006         Earlinorth           LA3010         Earlipak           LA0266         Earlipak           LA0517         Early Santa Clara           LA2711         Edkawi           Fargo Self-         pruning           LA3800         pruning           LA3801         Farthest North           LA3024         Fireball           LA3242         Flora-Dade           LA3840         Florida 7060		Dwarf San	
LA3245 E.S.1  LA4024 E-6203  LA3238 Earliana  LA2006 Earlinorth  LA3010 Earlipak  LA0266 Earlipak  LA0517 Early Santa Clara  LA2711 Edkawi  Fargo Self- pruning  LA3800 pruning  LA3801 Farthest North  LA3024 Fireball  LA3242 Flora-Dade  LA3840 Florida 7060			
LA4024 E-6203 LA3238 Earliana LA2006 Earlinorth LA3010 Earlipak LA0266 Earlipak LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- pruning LA3800 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
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LA2006 Earlinorth LA3010 Earlipak LA0266 Earlipak LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- pruning LA3800 pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060		E-6203	
LA3010 Earlipak LA0266 Earlipak LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- LA3800 pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
LA0266 Earlipak LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
LA0517 Early Santa Clara LA2711 Edkawi Fargo Self- pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060	LA3010	Earlipak	
LA2711 Edkawi Fargo Self- LA3800 pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060	LA0266	<del>`</del>	
Fargo Self- pruning LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
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LA3801 Farthest North LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
LA3024 Fireball LA3242 Flora-Dade LA3840 Florida 7060			
LA3242 Flora-Dade LA3840 Florida 7060	LA3801		
LA3840 Florida 7060	LA3024		
	LA3242		
	LA3840		
	LA4026	Florida 7481	

LA	Cultivan	
	Cultivar	
LA4025	Florida 7547	
LA4442	Florida 8516	
LA3030	Gardener	
LA2969	Georgia Streak	
LA2802	Globonnie	
LA4355	Gold Nugget	
LA4011	GT	
LA3231	Gulf State Market	
LA0314	Hardin Miniature	
LA4441	Hawaii 7981	
LA3202	Hawaii 7997	
LA3856	Hawaii 7998	
LA4345	Heinz 1706-BG	
LA0806	High Crimson	
LA3237	Homestead 24	
LA3320	Hotset	
LA3144	Hunt 100	
	Indehiscent	
LA2805	Currant	
LA3201	IRB 301	
LA1089	John Baer	
	Kallio's Alaskan	
LA1131	Dwarf	
LA0025	King Humbert #1	
LA3240	Kokomo	
LA3526	L04012	
LA0505	Laketa	
LA3203	Large Plum	
LA3118	Laurica	
LA0791	Long John	
LA0534	Lukullus	
LA3475	M-82	
LA3120	Malintka 101	
LA3007	Manapal	
LA0502	Marglobe	
LA1504	Marmande	
LA0278	Marzano Grande	
LA3151	Mecline	
	Michigan State	
LA0011	Forcing	
LA3911	Micro-Tom	
LA2825	Mobaci	
LA2824	Mobaglan	
LA3152	Moboline	
LA2821	Mobox	
LA2830	Mocimor	
LA3471	Mogeor	
LA3471	Momor	
LA2829	Momor Verte	
LA2829 LA2818	Monalbo	
LA2706	Moneymaker	

LA Cultivar LA2819 Monita LA2713 Montfavet 167 LA2714 Montfavet 168		
LA2713 Montfavet 167 LA2714 Montfavet 168		
LA2714 Montfavet 168		
LA2827 Moperou		
·		
LA2822 Mossol		
LA2820 Motabo		
LA2826 Motaci		
LA2823 Motelle		
LA3472 Movione		
LA2661 Nagcarlang		
LA4354 NC 84173		
LA3845 NC EBR-5		
LA3846 NC EBR-6		
LA3847 NC HS-1		
LA3625 NC265-1 (93)-3-	.3	
New Hampshire		
LA3802 Victor		
LA2009 New Yorker		
LA4452 Nyagous		
LA3321 Ohio 7663		
LA1088 Ohio Globe A		
LA2447 Ontario 717		
LA2449 Ontario 7517		
LA2396 Ontario 7710		
LA2448 Ontario 7818		
LA2970 Orange, Red Ct	ſ.	
	Paul Robeson	
LA0012 Pearson		
LA0020 Pennheart		
	Peto 95-43	
LA3243 Platense	Platense	
LA3312 Platense		
Pomodorini		
LA3125 Napolitan		
LA2715 Porphyre		
LA3820 Potentate		
LA3903 Primabel		
LA0089 Prince Borghese	)	
LA3233 Pritchard		
LA3229 Prospero		
LA2446 Purdue 135		
LA2377 Purple Calabash	1	
LA2378 Purple Smudge	Purple Smudge	
LA4350 Red River		
LA0276 Red Top VF		
LA3129 Rehovot 13	Rehovot 13	
Rey de Los		
LA2356 Tempranos		
Rheinlands		
LA0535 Ruhm		
LA3343 Rio Grande		

LA	Cultivar	
LA3145	Rockingham	
	Roumanian	
LA0503	Sweet	
LA3214	Rowpac	
	Royal Red	
LA2088	Cherry	
LA3215	Roza	
LA1090	Rutgers	
LA2662	Saladette	
LA3216	Saladmaster	
2-297	San Marzano	
LA3008	San Marzano	
LA0180	San Marzano	
	Santa Cruz B	
LA1021	(Gigante)	
LA2413	Severianin	
LA2912	Short Red Cherry	
LA3234	Sioux	
LA4444	Stack's Cherry	
LA3632	Start 24	
	Stemless	
LA0030	Pennorange	
LA2443	Stirling Castle	
LA1091	Stokesdale	

LA         Cultivar           LA1506         Stone           LA4432         Sunseeds 1642           Sutton's Best of         All           LA0164         All           LA2399         T-5           LA2590         T-9           LA0154         Tiny Tim           LA1714         UC-134           LA4437         UC-204B           LA3130         UC-204C           LA1706         UC-82           LA2937         UC-MR20           LA2938         UC-N28           LA2939         UC-T338           LA2940         UC-TR44           LA2941         UC-TR51           LA0021         Uniform Globe           LA2445         V-121           LA0745         V-9 Red Top           LA3246         Vagabond           LA3905         Vantage           LA3122         Vendor           LA2968         Vendor (Tm-2a)           LA2971         Verna Orange		
LA4432 Sunseeds 1642 Sutton's Best of LA0164 All LA2399 T-5 LA2590 T-9 LA0154 Tiny Tim LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA	Cultivar
Sutton's Best of LA0164 All LA2399 T-5 LA2590 T-9 LA0154 Tiny Tim LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA1506	Stone
LA0164 All LA2399 T-5 LA2590 T-9 LA0154 Tiny Tim LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA2968 Vendor (Tm-2a)	LA4432	Sunseeds 1642
LA2399 T-5 LA2590 T-9 LA0154 Tiny Tim LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA2968 Vendor (Tm-2a)		Sutton's Best of
LA2590 T-9 LA0154 Tiny Tim LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA0164	All
LA0154 Tiny Tim  LA1714 UC-134  LA4437 UC-204B  LA3130 UC-204C  LA1706 UC-82  LA2937 UC-MR20  LA2938 UC-N28  LA2939 UC-T338  LA2940 UC-TR44  LA2941 UC-TR51  LA0021 Uniform Globe  LA2445 V-121  LA0745 V-9 Red Top  LA3246 Vagabond  LA3905 Vantage  LA3122 Vendor  LA2968 Vendor (Tm-2a)	LA2399	T-5
LA1714 UC-134 LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA2968 Vendor (Tm-2a)	LA2590	T-9
LA4437 UC-204B LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA0154	Tiny Tim
LA3130 UC-204C LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA1714	UC-134
LA1706 UC-82 LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA4437	UC-204B
LA2937 UC-MR20 LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA3130	UC-204C
LA2938 UC-N28 LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA1706	UC-82
LA2939 UC-T338 LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2937	UC-MR20
LA2940 UC-TR44 LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2938	UC-N28
LA2941 UC-TR51 LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2939	UC-T338
LA0021 Uniform Globe LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2940	UC-TR44
LA2445 V-121 LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2941	UC-TR51
LA0745 V-9 Red Top LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA0021	Uniform Globe
LA3246 Vagabond LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA2445	V-121
LA3905 Vantage LA3122 Vendor LA2968 Vendor (Tm-2a)	LA0745	V-9 Red Top
LA3122 Vendor LA2968 Vendor (Tm-2a)	LA3246	Vagabond
LA2968 Vendor (Tm-2a)	LA3905	Vantage
	LA3122	Vendor
LA2971 Verna Orange	LA2968	Vendor (Tm-2a)
	LA2971	Verna Orange

LA	Cultivar
LA2444	Vetomold K10
LA0744	VF-11
LA1023	VF-13L
LA1507	VF-145 21-4
LA0816	VF-145 22-8
LA1222	VF145 78-79
LA0742	VF-34
LA0490	VF-36
LA0743	VF-6
LA2086	VFN Hi Sugar
LA0815	VFN-14
LA1022	VFN-8
LA1221	VFNT Cherry
LA3630	Vrbikanske nizke
LA3465	Walter
LA0279	Webb Special
LA2464A	White Beauty
LA2804	Yellow Currant
LA2357	Yellow Peach
LA3148	Zemer Kau

# 2. Latin American Cultivars (252)

This collection of Latin-American cultivars has been assembled from various sources but principally from our collecting trips, often at local markets. With a few exceptions they are indigenous in the sense that they are not recently introduced lines. Many of them are extinct in the source region, having been replaced by modern cultivars.

Country	LA	Collection Site
Bolivia	LA0172	Santa Cruz
Bolivia	LA2699	Coroica
Bolivia	LA2871	Chamaca
Bolivia	LA2873	Lote Pablo Luna #2
Bolivia	LA2874	Playa Ancha
Brazil	LA1021	Coop. Agric. Cotia
Brazil	LA2402	Florianopolis
Chile	LA0466	Hacienda Rosario
Chile	LA0467	Lluta Valley
Chile	LA0468	Iquique
Colombia	LA0356	Buenaventura
Colombia	LA0357	Buenaventura
Colombia	LA0358	Buenaventura
Colombia	LA1426	Cali
Colombia	LA1539	Cali to Popayan
Colombia	LA1425	Villa Hermosa
Colombia	LA2696	El Paramillo
Colombia	LA2697	Vereda Mata de

Country	LA	Collection Site
		Cana
		Vereda La
Colombia	LA2698	Esperanza Belgica
Costa Rica	LA1215	
Costa Rica	LA3453A	Turrialba
Costa Rica	LA3453B	Turrialba
Costa Rica	LA3453C	Turrialba
Costa Rica	LA3453D	Turrialba
Ecuador	LA0126	Quito
Ecuador	LA0292	Santa Cruz
Ecuador	LA0408	Guayaquil
Ecuador	LA0409	Guayaquil
Ecuador	LA0410	Guayaquil
Ecuador	LA0415	Daular
Ecuador	LA0416	Puna
Ecuador	LA0417	Puna Polvora
Ecuador	LA0423	San Cristobal, Gal.
Ecuador	LA1224	Puyo

Country	LA	Collection Site
Ecuador	LA1238	Viche
Ecuador	LA1239	Esmeraldas
Ecuador	LA1240	Esmeraldas
Ecuador	LA1241	Esmeraldas
Ecuador	LA1244	Boca de los Sapos
Ecuador	LA1249	Loja
Ecuador	LA1250	Loja
Ecuador	LA1251	Loja
Ecuador	LA1420	Lago Agrio
Ecuador	LA1421	Santa Cecilia
Ecuador	LA2094	El Naranjo
Ecuador	LA2132	Chuchumbetza
Ecuador	LA2381	Malacatos
Ecuador	LA2382	Malacatos
Ecuador	LA2383	Malacatos
Ecuador	LA2384	Malacatos
Ecuador	LA3126	Malacatos
Ecuador	LA3624	Santa Rosa
El Salvador	LA0763	Comasagua
El Salvador	LA0765	Cojutepeque
El Salvador	LA1210	San Salvador
El Salvador	LA1211	San Salvador
Guatemala	LA0767	Quetzaltenango
Guatemala	LA1460	Antigua
Honduras	LA0147	Tegucigalpa
Honduras	LA0148	Tegucigalpa
Mexico	LA0146	Mexico City
Mexico	LA1218	Vera Cruz
Mexico	LA1459	Huachinango
Mexico	LA1462	Merida
Mexico	LA1544	Xol Laguna
Mexico	LA1546	Papantla
Mexico	LA1564	Culiacan
Mexico	LA1565	Val. nacionale
Mexico	LA1566	Val. nacionale
Mexico	LA1567	Sinaloa
Mexico	LA1568	Yucatan
Mexico	LA1702	Sinaloa
Mexico	LA1702	Rio Tamesi
Mexico	LA1703	Rio Tamesi
Mexico	LA1704	Tamaulipas
Mexico	LA1994 LA2083	Guaco, Culiacan
Mexico	LA2083	Comala, Culiacan
Nicaragua	LA2064 LA1212	Comaia, CuildCall
	LA1212	
Nicaragua	LA1213	
Panama	LA1216	
Panama		Corro Azul
Panama	LA1570 LA0113	Cerro Azul Hacienda Calera
Peru	LA0113	
Peru	LAUTIO	Chiclayo

Country	LA	Collection Site
Peru	LA0117	Piura
Peru	LA0125D	Trujillo
Peru	LA0131H	Arequipa
Peru	LA0134C	Ayacucho
	LA0393-	
Peru	LA0396	Chiclayo
	LA0401-	, , .
Peru	LA0405	Piura
Peru	LA0457	Tacna
Peru	LA0472	Tacna
Peru	LA0473	Calana
Peru	LA0477	Chincha
Peru	LA0478	Chincha
Peru	LA0721	Chiclayo
i Ciu	LAUIZI	Convento de Sivia,
Peru	LA1313	Pichari
i Giu	LAISIS	Ayna, San
Peru	LA1315	Francisco
Peru	LA1390	La Molina
Peru	LA1397	Iquitos
	LA1397	
Peru		Iquitos Puerto Maldonado
Peru	LA1632	
Peru	LA1650	Fundo Bogotalla
Peru	LA1655	Tarapoto
Peru	LA1669	Jahuay
Peru	LA1698	Kradolfer Chacra
Peru	LA1701	Trujillo
Peru	LA1976A	Calana
Peru	LA1976B	Calana
Peru	LA1976C	Calana
Peru	LA1988	Iquitos
	LA2207-	
Peru	LA2212	Bajo Naranjillo
	LA2213-	
Peru	LA2220	Nueva Cajamarca
	LA2221-	
Peru	LA2235	Moyobamba
	LA2237-	
Peru	LA2244	La Habana
	LA2245-	
Peru	LA2253	Soritor
	LA2254-	
Peru	LA2256	Puerto Moyobamba
		Hotel Abricias,
Peru	LA2257	Moyobamba
Peru	LA2258	Yantalo
	LA2259A	
Peru	-2259D	Moyobamba
	LA2260-	
Peru	LA2264	Lahuarpia
Peru	LA2265-	Casaria de

Country	LA	Collection Site
	LA2268	Pacaisapa
	LA2269-	Km 57 from
Peru	LA2276	Tarapoto
	LA2278-	
Peru	LA2282	Tabalosas
	LA2283-	
Peru	LA2307	Tarapoto
	LA2309-	
Peru	LA2311	Puerto Santa Cruz
Peru	LA2316	Sargento
Peru	LA2622	Mangual Pucallpa
Peru	LA2623	Pucalepillo Pucallpa
Peru	LA2665,	San Juan del Oro

Country	LA	Collection Site
	LA2666	
		San Juan del Oro,
Peru	LA2676	Basura
Peru	LA2841	Chinuna
Peru	LA2842	Santa Rita
Peru	LA2843	Moyobamba
Peru	LA2844	Shanhao
Peru	LA2845	Moyobamba
	LA3221-	
Peru	LA3326	San Isidro
Peru	LA3646	Puente Tincoj
Sri Lanka	LA2703	Kandy #2

# 3. Introgression Lines

# 3.1. S. pennellii Introgression Lines (84)

The following group of introgression lines (ILs) was developed by Y. Eshed and D. Zamir (*Euphytica* 79:175; TGC 49:26). Each IL is homozygous for a single introgression from *S. pennellii* (LA0716) in the background of cv. M-82 (LA3475). (IL 8-1 is heterozygous for a short and a long introgression.) The entire *pennellii* genome is thereby represented by 50 lines with overlapping introgressions. Recombinant sublines provide increased mapping resolution in some regions. (The IL 5-4 sublines are described in *Amer. J. Bot.* 94: 935 and *Theor. Appl. Genet.* 117: 221.)

LA	Line
LA4028	IL 1-1
LA4029	IL 1-1-2
LA4030	IL 1-1-3
LA4031	IL 1-2
LA4032	IL 1-3
LA4033	IL 1-4
LA4034	IL 1-4-18
LA4035	IL 2-1
LA3480	IL 2-1
LA4036	IL 2-1-1
LA4037	IL 2-2
LA4038	IL 2-3
LA4039	IL 2-4
LA4040	IL 2-5
LA4041	IL 2-6
LA4042	IL 2-6-5
LA4043	IL 3-1
LA4044	IL 3-2
LA3488	IL 3-3
LA4046	IL 3-4
LA4047	IL 3-5
LA4048	IL 4-1

LA	Line
LA4049	IL 4-1-1
LA4050	IL 4-2
LA4051	IL 4-3
LA4052	IL 4-3-2
LA4053	IL 4-4
LA4054	IL 5-1
LA4055	IL 5-2
LA4056	IL 5-3
LA4057	IL 5-4
LA4434	IL 5-4-1
LA4435	IL 5-4-2
LA4436	IL 5-4-4
	IL 5-4-5-
LA4439	137
LA4429	IL 5-4-5-44
LA4430	IL 5-4-5-49
LA4438	IL 5-4-8
LA4058	IL 5-5
LA3500	IL 6-1
LA4060	IL 6-2
LA4061	IL 6-2-2
LA4062	IL 6-3

LA	Line
LA4063	IL 6-4
LA4064	IL 7-1
LA4065	IL 7-2
LA4066	IL 7-3
LA4067	IL 7-4
LA4068	IL 7-4-1
LA4069	IL 7-5
LA4070	IL 7-5-5
LA4071	IL 8-1
LA4072	IL 8-1-1
LA4073	IL 8-1-3
LA4074	IL 8-2
LA4075	IL 8-2-1
LA4076	IL 8-3
LA4077	IL 8-3-1
LA4078	IL 9-1
LA4079	IL 9-1-2
LA4080	IL 9-1-3
LA4081	IL 9-2
LA4082	IL 9-2-5
LA4083	IL 9-2-6
LA4084	IL 9-3

LA	Line
LA4085	IL 9-3-1
LA4086	IL 9-3-2
LA4087	IL 10-1
LA4088	IL 10-1-1
LA4089	IL 10-2
LA4090	IL 10-2-2
LA4091	IL 10-3
LA4092	IL 11-1
LA4093	IL 11-2
LA4094	IL 11-3
LA4095	IL 11-4
LA4096	IL 11-4-1
LA4097	IL 12-1
LA4098	IL 12-1-1
LA4099	IL 12-2
LA4100	IL 12-3
LA4101	IL 12-3-1
LA4102	IL 12-4
LA4103	IL 12-4-1

### 3.2. S. habrochaites ILs (93)

The following group of introgression lines represent the genome of *S. habrochaites* LA1777 in the background of cv. E-6203 (LA4024) via homozygous chromosome segments (*Genome* 43:803). The first 57 lines (LA3913 - LA3969) represent approximately 85% of the donor genome, while the remaining lines (LA3970 - LA4010) contain different introgressions, mostly derivatives of the first group. Unlike the *pennellii* ILs above, each *habrochaites* IL may contain more than one introgression, representing one to several chromosomes, as indicated below.

LA	Line	Chrom.
LA3913	TA1258	1
LA3914	TA523	1
LA3915	TA1229	1
LA3916	TA1223	1
LA3917	TA1535	1
LA3918	TA1127	1
LA3919	TA1128	1
LA3920	TA1536	1
LA3921	TA1105	2
LA3922	TA1266	2
LA3923	TA1537	2
LA3924	TA1538	2
LA3925	TA1111	3
LA3926	TA1276	3
LA3927	TA1277	3
LA3928	TA1540	3
LA3929	TA1541	3
LA3930	TA1133	4
LA3931	TA1280	4
LA3932	TA1562	4
LA3933	TA1542	4
LA3934	TA1459	4
LA3935	TA517	4
LA3936	TA1475	4
LA3937	TA1473	4
LA3938	TA1287	5
LA3939	TA1293	5
LA3940	TA1112	5
LA3941	TA1543	5
LA3942	TA1117	5
LA3943	TA1544	5
LA3944	TA1539	6
LA3945	TA1545	6

LA	Line	Chrom.
LA3946	TA1546	6
LA3947	TA1559	6
LA3948	TA1303	7
LA3949	TA1304	7
LA3950	TA1547	7
LA3951	TA1312	7
LA3952	TA1315	8
LA3953	TA1316	8
LA3954	TA1548	8
LA3955	TA1320	8
LA3956	TA1324	9
LA3957	TA1325	9
LA3958	TA1330	9
LA3959	TA1331	9
LA3960	TA1550	10
LA3961	TA1551	10
LA3962	TA1552	10
LA3963	TA1337	10
LA3964	TA1339	10
LA3965	TA1555	11
LA3966	TA1554	11
LA3967	TA1342	11
LA3968	TA1350	12
LA3969	TA1121	12
LA3970	TA1219	1
LA3971	TA1218	2
LA3972	TA1173	2
LA3975	TA1629	3
LA3976	TA1138	4
LA3977	TA1467	4
LA3978	TA1468	4
LA3979	TA1630	4
LA3980	TA1290	5

LA	Line	Chrom.
LA3981	TA1116	5
LA3983	TA1631	5
LA3984	TA1632	5
LA3985	TA1306	7
LA3986	TA1309	7
LA3988	TA1318	8
LA3989	TA1319	8
LA3990	TA1560	8
LA3991	TA1326	9
LA3993	TA1549	10
LA3994	TA1635	10
LA3995	TA1553	11
LA3996	TA1120	11
LA3997	TA1563	1-10
LA3998	TA1637	1-11-12
LA3999	TA1638	1-12
LA4000	TA1557	1-4
LA4001	TA1644	1-7-12
LA4002	TA1645	1-8-12
LA4003	TA1648	2-11
LA4004	TA1649	2-3-6
LA4005	TA1652	3, 5
LA4006	TA1654	4-10-11
LA4007	TA1655	4-12
LA4008	TA1656	5-6-9
LA4009	TA1564	5-7-10
LA4010	TA1561	8-2

#### 3.3. S. lycopersicoides ILs (101)

The following group of ILs have been bred from *S. lycopersicoides* into the background of cv. VF36. These lines represent ~96% of the donor genome and are described in *Genome* 48:685, and *Theor. Appl. Genet.* 76:647. While some lines are available in the homozygous condition, others are partially or completely sterile as homozygotes, thus are maintained via heterozygotes. In this case, marker analysis is

required to identify the desired genotypes in segregating progenies. Seed of some lines may be limited or temporarily unavailable.

LA	Line	Chr.
LA3866	LS1-1	1
LA3867	LS11-9	1
LA4230	LS15-2H	1
LA4231	LS15-2B	1
LA4232	LS11-11A	1
LA4233	LS20-9	1
LA4234	LS21-2	1
LA4235	LS10-2	1
LA4293	LS5-8	1
LA4294	LS15-2AD	1
LA4295	LS15-2A	1
LA4296	LS15-2AA	1
LA4297	LS15-2AAA	1
LA4298	LS15-2BA	1
LA3869	LS42-4	2
LA3870	LS38-10	2
LA3871	LS41-3	2
LA4236	LS49-8A	2
LA4237	LS40-8	2
LA4238	LS5-1	2
LA4239	LS41-20	2
LA4420	C2S	2
LA3882	LS43-14	2-6
LA3344	Mdh-1	3
LA3874	LS20-9	3
LA4240	LS1-13	3
LA4241	LS40-2	3
LA4242	LS14-8	3
LA4243	LS1-3	3
LA4244	LS10-9	4
LA4245	LS10-11A	4
LA4246	LS49-8B	4
LA4247	LS12-9	4
LA4314	LS12-9B	4-10
LA3875	LS24-14	4-12
LA3878	LS24-6	5

LA	Line	Chr.
LA4248	LS11-6	5
LA4249	LS9-1	5
LA4250	LS49-8C	5
LA4251	LS49-3	5
LA4252	LS32-11	5
LA4299	LS4-9	5
LA4426	ILX	5
LA3879	LS1-5	5-11
LA3893	LS16-6	5-12
LA4300	LS9-7B	5-6
LA4253	LS11-11B	6
LA4254	LS32-14	6
LA4255	LS38-5	6
LA4256	LS9-22	6
LA3886	LS48-5	7
LA4257	LS46-3	7
LA4258	LS19-7	7
LA4259	LS32-4	7
LA4260	SL-7F	7
LA4261	LS8-11	7
LA4301	SL-7A	7
LA4302	SL-7C	7
LA4303	SL-7D	7
LA4304	LS8-11A	7
LA4315	SL-7	7
LA3883	LS48-6	7-11
LA4305	LS9-26C	7-8
LA3876	LS29-1	8
LA3889	LS41-13	8
LA3906	Wa, DI	8
LA4262	LS20-16	8
LA4263	LS46-6A	8
LA4264	LS9-26A	8
LA4265	LS9-26B	8
LA4266	SL-8A	8
LA4267	LS16-10	8

LA	Line	Chr.
LA4306	LS46-6	8
LA4307	SL-8	8
LA3345	Dia-3	9
LA4268	LS14-7	9
LA4269	LS12-2	9
LA4270	LS10-6	9
LA4271	LS49-5	9
LA4272	LS41-11	9
LA4308	LS32-10	9
LA4309	LS10-6D	9
LA4273	LS12-8	10
LA4274	LS4-14	10
LA4275	SL-10	10
LA4276	LS12-12	10
LA3892	LS48-2	11
LA4277	LS24-11	11
LA4278	LS3-2	11
LA4279	LS19-11	11
LA4310	LS19-10A	11
LA4422	PROS	11
LA4280	LS1-5	11-5
LA4281	LS13-13	12
LA4282	LS45-7	12
LA4283	LS8-9	12
LA4284	LS9-13	12
LA4311	LS14-2	12
LA4312	LS45-7C	12
LA4313	LS8-12A	12
LA4427	C12S	12

## 4. Backcross Recombinant Inbreds (90).

The following group of backcross recombinant inbred lines originated from the cross *S. lycopersicum* E6203 × *S. pimpinellifolium* LA1589 (*Genome* 45:1189). The result of 2 BC's and at least 6 generations of inbreeding via single seed descent, the lines are highly homozygous (residual heterozygosity ~3%). The population has been genotyped at 127 marker loci, and the corresponding maps, map files, and QTL data are available from the Solanaceae Genome Network (www.sgn.cornell.edu). This set of 90 lines has been selected for optimum mapping resolution using the MapPop software, and provide a permanent, high resolution mapping population.

LA	TA
LA4139	TA2874
LA4140	TA2875
LA4141	TA2876
	TA2877,
LA4142	TA2149
LA4143	TA2878
LA4144	TA2879
LA4145	TA2880
LA4146	TA2881
LA4147	TA2882
LA4148	TA2883
LA4149	TA2884
LA4150	TA2885
LA4151	TA2886
LA4152	TA2887
LA4153	TA2888
LA4154	TA2890
LA4155	TA2891
LA4156	TA2892
LA4157	TA2893
LA4158	TA2894
LA4159	TA2895
LA4160	TA2896
LA4161	TA2897

LA	TA
LA4162	TA2898
LA4163	TA2899
LA4164	TA2900
LA4165	TA2901
LA4166	TA2902
LA4167	TA2903
LA4168	TA2904
LA4169	TA2905
LA4170	TA2906
LA4171	TA2907
LA4172	TA2908
LA4173	TA2909
LA4174	TA2910
LA4175	TA2911
LA4176	TA2912
LA4177	TA2914
LA4178	TA2915
LA4179	TA2916
LA4180	TA2917
LA4181	TA2918
LA4182	TA2919
LA4183	TA2920
LA4184	TA2922

LA	TA
LA4185	TA2923
LA4186	TA2924
LA4187	TA2925
LA4188	TA2926
LA4189	TA2927
LA4190	TA2928
LA4191	TA2929
LA4192	TA2930
LA4193	TA2931
LA4194	TA2932
LA4195	TA2933
LA4196	TA2934
LA4197	TA2935
LA4198	TA2936
LA4199	TA2937
LA4200	TA2938
LA4201	TA2939
LA4202	TA2940
LA4203	TA2941
LA4204	TA2942
LA4205	TA2943
LA4206	TA2944
LA4207	TA2945

LA	TA
LA4208	TA2946
LA4210	TA2948
LA4211	TA2949
LA4212	TA2950
LA4213	TA2951
LA4214	TA2952
LA4215	TA2953
LA4216	TA2954
LA4217	TA2955
LA4218	TA2956
LA4219	TA2957
LA4220	TA2958
LA4221	TA2959
LA4222	TA2960
LA4223	TA2961
LA4224	TA2962
LA4225	TA2963
LA4226	TA2964
LA4227	TA2965
LA4228	TA2966
LA4229	TA2967

## 5. Alien Substitution Lines (7)

In the course of his study of segregation and recombination in *S. lycopersicum* x *S. pennellii* hybrids, Rick (*Genetics* 26:753; *Biol. Zbl.* 91:209) backcrossed certain chromosomes of *S. pennellii* LA0716 into the background of several chromosome marker stocks in cultivated tomato. Selected heterozygotes of later generations were selfed and subsequent progenies containing the wild type alleles at the marker loci were selected. The chromosome 6 substitution (LA3142) was further selected with RFLP markers to eliminate residual heterozygosity (*Genetics* 135:1175). The mutant loci used to select each substitution are indicated. In addition, three *S. lycopersicoides* chromosome substitutions (SL-7, -8 and -10) are listed above under introgression lines.

LA	Chrom.	Marker Loci
2091	1	au, dgt, inv, scf
1639	2	Me, aw, m, d
1640	3	sy, bls, sf
3469	4	clau, ful, ra, e, su <sup>3</sup>

LA	Chrom.	Marker Loci
3142	6	yv, ndw, m-2, c
1642	8	l, bu, dl, al
1643	11	j, hl, a

## 6. Monosomic Alien Addition Lines (10)

In the following group of monosomic additions (MA), each line contains a single extra chromosome from *S. lycopersicoides* LA1964 added to the genome of cultivated tomato (*Genome* 41:40). The integrity of the *S. lycopersicoides* chromosomes in these stocks has been tested with a limited number of markers, hence some may be recombinant. For example, our stock of MA-8 lacks *S. lycopersicoides* markers distal to TG330 on the long arm. Furthermore, we were unable to maintain MA-1 and MA-6, both of which are now extinct.

Like other types of trisomics, progeny of the monosomic additions include both diploids and trisomics, the proportion of which varies between each chromosome group. Identification of monosomic additions in each generation is facilitated by their phenotypic resemblance to the corresponding primary trisomic. Therefore, the guidelines of Rick (TGC 37:60) for identifying trisomics in the seedling stage are useful for selecting monosomic additions as well. To further simplify this process, we have backcrossed some of the monosomic additions into the background of multiple marker stocks for the corresponding chromosomes. In this configuration, diploids are more easily distinguished from trisomics by the expression of recessive mutant alleles in the former, and dominant wild type in the latter. For example, in our stock of MA-2, the 2n progeny would have the phenotype *wv-aa-d*, whereas the 2n+1 plants would be wild type at these marker loci (as well showing the expected trisomic syndrome). In addition, some monosomic additions carry dominant morphological markers that can be used to distinguish them from 2n progeny. The marker genotypes of 2n+1 vs 2n progeny are listed below for each chromosome.

LA	Chrom.	2n+1	2n
3454	MA-2	+-+-+	wv-aa-d
3455	MA-3	+-+-+	sy-bls-sf
3456	MA-4	+	+
3457	MA-5	+	obv
3459	MA-7	Bco-+-+	+-var-not

LA	Chrom.	2n+1	2n
3460	MA-8	Wa	+
3461	MA-9	+	+
3462	MA-10	Abg-+-+-+	+-u-t-nd-ag
3463	MA-11	+	+
3464	MA-12	+	+

**7. Other Prebreds (24)**. This group of prebreds contain selected morphological traits bred into cultivated tomato from related wild species. Some traits may be simply inherited, others likely involve multiple genetic loci.

LA	Trait
LA0214	Dark anthers from S. peruvianum
LA1015	Compressed fruits from S. cheesmaniae
LA1016	Yellow green from S. cheesmaniae
LA1017	Pachypericarp from S. cheesmaniae
LA1018	Odorless from S. cheesmaniae
LA1019	Pachypericarp from S. cheesmaniae
LA1500	High solids, intense pigment from S. chmielewskii
LA1501	High solids from S. chmielewskii
LA1502	High solids from S. chmielewskii
LA1503	High solids from S. chmielewskii
LA1563	High solids from S. chmielewskii
LA1996	Anthocyanin fruit from S. chilense
LA2380	Exserted stigma from S. pimpinellifolium
LA3855	High 2-tridecanone from S. habrochaites
LA3897	High beta-carotene from S. galapagense
LA3898	High beta-carotene from S. galapagense
LA3899	High beta-carotene from S. galapagense
LA4104, 4453, 4454	High fruit sucrose from S. chmielewskii
LA4136	Regeneration ability from S. peruvianum
LA4424	Poodle syndrome from S. lycopersicoides

LA	Trait
LA4425	Aubergine fruit from S. lycopersicoides
LA4428	Virescent leaves from S. lycopersicoides

### 8. Interspecific hybrids.

LA3857 F<sub>1</sub> S. *lycopersicum* VF36 × S. *lycopersicoides* LA2951. This is a relatively malefertile hybrid that is clonally propagated in vitro.

LA4135  $F_1$  *S. lycopersicum* VF36 × *S. pennellii* LA0716. This hybrid is useful as a rootstock. We use it for maintenance of *S. sitiens*, and sometimes *S. juglandifolium*, and *S. ochranthum*.

# 9. Stress Tolerant Stocks (60+)

We receive many requests for stocks with tolerances to environmental stresses (abiotic or biotic). Therefore, we chose this group of mostly wild species accessions based on our observations of plants in their native habitats and/or reports in the literature. If TGC members know of other accessions which should be added to this group, we would be grateful for the information and seed samples to accession in the TGRC.

Stress Tolerance	Species	Accessions
Drought	S. pimpinellifolium	LA1578, LA1595, LA1600,
_		LA1607, LA2718
Drought	S. pennellii (general feature)	LA0716, and others
Drought	S. chilense (general feature)	LA1958, LA1959, LA1972, and others
Drought	S. sitiens (general feature)	LA1974, LA2876, and others
Flooding	S. lycopersicum 'cerasiforme'	LA1421, and others
Flooding	S. juglandifolium, S. ochranthum (general feature)	LA2120, LA2682
High temperatures	S. lycopersicum	LA2661, LA2662, LA3120, LA3320
Low temperatures	S. habrochaites	LA1363, LA1393, LA1777, LA1778
Low temperatures	S. chilense	LA1969, LA1971, LA2883, LA2773, LA2949, LA3113
Low temperatures	S. lycopersicoides	LA1964, LA2408, LA2781
Aluminum toxicity	S. lycopersicum 'cerasiforme'	LA2710 (suspected)
Salinity	S. chilense	LA1930, LA1932, LA1958, LA2747, LA2748, LA2880, LA2931
Salinity	S. galapagense	LA1401, LA1508, LA3909
Salinity	S. cheesmaniae	LA0749, LA3124
Salinity	S. lycopersicum	LA2711
Salinity	S. lycopersicum 'cerasiforme'	LA2081, LA1310, LA2079, LA4133
Salinity	S. pennellii	LA0716, LA1809, LA1926, LA1940, LA2656
Salinity	S. peruvianum	LA0462, LA1278, LA2744
Salinity	S. pimpinellifolium	LA1579 and others
Arthropods	S. habrochaites	LA0407 and others
Arthropods	S. pennellii	LA0716 and others

#### 10. Translocations (37)

The following group of translocation stocks have been assembled from the collections of their originators - D.W. Barton, C.D. Clayberg, B.S. Gill, G.R. Stringham, B. Snoad, and G. Khush. As far as we know, they are all homozygous for the indicated structural changes. They are described by Gill *et al.* (TGC 23: 17-18; TGC 24:10-12). Accessions with an asterisk comprise the tester set.

LA	Chrom.s
*LA1115	T9-12
*LA1119	T3-8
*LA1120	T6-12
*LA1876	T1-2
*LA1885	T5-7
*LA1898	T2-10a
*LA1899	T6-11
*LA1903	T4-7
LA1049	T1-9
LA1116	T1-11
LA1117	T5-7
LA1118	T7-11

LA	Chrom.s
LA1121	T4-9
LA1122	T2-9
LA1123	T2-9
LA1124	T3-9
LA1125	T5-7
LA1126	T7-9
LA1127	T3-5
LA1129	T3-9
LA1877	T2-4
LA1878	T2-7
LA1879	T2-9
LA1880	T2-11
LA1881	T2-12

LA	Chrom.s
LA1882	T12-3 or -8
LA1883	T3-7
LA1884	2 IV T3-8,9-12
LA1886	T12-3 or 8
LA1892	2 IV T9-12, ?-?
LA1894	T2-9a
LA1895	T2-9b
LA1896	T1-12
LA1897	T7-11?
LA1902	T2- ?
LA1904	T2-9d
LA1905	T1-3 or 8
LA1906	T2-10b

## 11. Trisomics (34)

The following series of trisomics contain various kinds of extra chromosomes. Since the extras are transmitted irregularly, each stock necessarily produce a majority of diploid progeny, the remainder aneuploid. Primary trisomics yield mostly 2n and 2n+1, and rarely tetrasomics (2n+2). Telotrisomics yield telos and an occasional rare tetratelosomic. Secondary, tertiary, and compensating trisomics transmit other trisomic types as expected. Because transmission is irregular and reproduction of stocks requires much labor, our stocks are limited. In requesting our aneuploids, researchers are asked to keep these points in mind. To assist in the identification of primary trisomics at the seedling stage, the key features of each have been summarized by Rick (TGC 37:60). Additional 2n+1 stocks are listed under Monosomic Alien Additions above.

Accession	Genotype
Primar	y trisomics
delta-10	Triplo-1
delta-06	Triplo-2
delta-08	Triplo-3
delta-02	Triplo-4
delta-04	Triplo-5
delta-12	Triplo-6
delta-07	Triplo-7
delta-03	Triplo-8
delta-05	Triplo-9
delta-01	Triplo-10
delta-40	Triplo-11
delta-09	Triplo-12

Accession	Genotype	
Telo-	Telo-trisomics	
delta-14	2n + 3S	
delta-17	2n + 3L	
delta-21	2n + 4L	
delta-20	2n + 7L	
delta-19	2n + 8L	
delta-35	2n + 10S	
Seconda	ary trisomics	
delta-44	2n + 2S·2S	
delta-43	2n + 5L·5L	
delta-36	2n + 7S·7S	
delta-26	2n + 9S·9S	
delta-31	2n + 9L∙9L	

Accession	Genotype	
delta-28	2n + 10L·10L	
delta-41	2n + 11L·11L	
delta-29	2n + 12L·12L	
Tertiary trisomics		
delta-18	2n + 2L·10L	
delta-16	2n + 4L·10L	
delta-39	2n + 5L·7S	

Accession	Genotype	
delta-15	2n + 7S·11L	
delta-25	2n + 9L·12L	
delta-23	2n + 1L·11L	
Compensating trisomics		
delta-32	2n - 3S·3L + 3S + 3L·3L	
delta-33	2n - 3S·3L + 3S·3S + 3L·3L	
delta-34	2n - 7S·7L + 7S·7S + 7L·7L	

### 12. Autotetraploids (18)

We are currently maintaining only the following group of tetraploids. Whereas we formerly stocked many more lines, their rapid deterioration, low seed yields, and lack of demand required that we prune them to a smaller group of more frequently used genotypes. Most are stocks of *S. lycopersicum*, unless otherwise noted, and arose from either induced or spontaneous chromosome doubling.

Accession	Genotype
2-095	cv. San Marzano
2-483	cv. Red Cherry
LA0794	ag, t <sup>v</sup>
LA1917	S. chilense
LA2335	S. pimpinellifolium
LA2337	cv. Stokesdale
LA2338	cv. Break O'Day
LA2339	cv. Pearson
LA2340	S. pimpinellifolium

Accession	Genotype
LA2342	cv. Danmark
LA2343	cv. Waltham Fog
LA2581	S. peruvianum
LA2582	S. arcanum
LA2583	S. arcanum
LA2585	S. pimpinellifolium
LA2587	S. lycopersicum 'cerasiforme'
LA2588	S. pennellii (LA0716)
LA3255	cv. Ailsa Craig

#### 13. Cytoplasmic Variants (3)

The following three lines are cytoplasmically-inherited chlorotic variants maintained by the TGRC and included in the miscellaneous group for want of better classification. They were induced by mutagens and are inherited in strictly maternal fashion. They are not transmitted by pollen but in reciprocal crosses -- no matter what male parents we have used -- the progeny are 100% variant.

LA1092 Uniform yellow, induced by fast neutrons in hybrid background (G.S. Khush)

LA1438 Light green, induced by X-rays in cv. Moneymaker (K. Kerkerk)

LA2979 Cyto-variegated, in cv. Glamour (R.W. Robinson)

#### 14. Chromosome Marker Stocks (181)

This group consists of stocks in each of which has been assembled a series of marker genes for a single chromosome. In a few cases markers on other chromosomes are also present (listed in parentheses). Some of the more useful stocks have been combined with male steriles in order to facilitate large scale test crossing. These stocks are listed below according to chromosome, and within each chromosome group by accession number. Asterisks indicate the preferred marker combination for each chromosome (i.e. that which provides the best map coverage).

LA	Genotype	
Chromosome 1		
LA0910	per, inv	
LA0984	scf, inv	

LA	Genotype
LA0985	inv, per
LA1003	scf, inv, per
LA1082	era, um

LA	Genotype
LA1107	inv, co
LA1108	inv, dgt
LA1169	scf, dgt

LA	Conotypo
LA1173	Genotype gas, co
LA1184	+1
	au <sup>tl</sup> , dgt
LA1185	au", scf, inv
LA1186	au <sup>t</sup> , dgt au <sup>t</sup> , scf, inv au <sup>t</sup> , scf, inv, dgt au <sup>t</sup> , dgt
LA1431	au <sup>tl</sup> , dgt au <sup>tl</sup> , co, inv, dgt
LA1490	au", co, inv, dgt
LA1492	ms-32, bs
LA1529*	au <sup>t</sup> , co, scf, inv, dgt
LA2354	br, y (p, l)
LA3209	imb, irr, y
LA3301	fla, com <sup>in</sup>
LA3302	imb, com <sup>in</sup>
LA3303	imb, inv
LA3305	imb, Lpg
LA3306	com <sup>in</sup> inv
LA3307	com <sup>in</sup> , inv com <sup>in</sup> , Lpg
LA3346	ou he
LA3347	au, bs au, ms-32
LA3347	
	au, com
LA3349	au, imb
LA3350	au, br
LA3351	imb, Lpg/+
LA3352	imb, au, Lpg/+
LA0271	mosome 2
	aw, O
LA0286	d, m Wo <sup>m</sup> , d
LA0310 LA0330	
	bk, o, p, d, s (r, y) Wo <sup>m</sup> , d (ms-17)
LA0342	VVO , U (IIIS-17)
LA0514	aw, Wo <sup>m</sup> , d
LA0639	Me, aw, d
LA0650	aw, d
LA0715	Wo <sup>m</sup> , Me, aw, d
LA0732	suf, d
LA0733	Wo <sup>m</sup> , d, ms-10
LA0754	aw, p, d, m, o
LA0777	dil, d
LA0789	Me, aw, d, m
LA0790	wv, Me, aw, d
LA0986	s, bk, Wo <sup>m</sup> , o, aw, p, d
LA1525	aa, d
LA1526	are, wv, d
LA1699	Wo <sup>m</sup> , bip
LA1700*	wv, aa, d
LA3132	Prx-2 <sup>1</sup> , ms-10, aa
	osome 3
LA0644	r, wf
LA0782	sy, sf
LA0880	sf, div
LA0987	pli, con

LA	Genotype		
LA0988	ru, sf		
LA1070	ru, sf, cur		
LA1070	sy, bls, sf		
LA1101			
LA1175	cn, sy, sf bls, aut		
LA1173			
	sy, Ln, bls, sf		
LA0774	ful, e		
LA0774	ful, e, su <sup>3</sup>		
LA0886	ful ro o		
LA0888	ful, ra, e		
LA0889	ful, ven, e		
LA0890	ra, su <sup>3</sup>		
LA0902	ra, $ven$		
LA0902 LA0915	ful, ra <sup>2</sup> , e (ms-31)		
LA0915	clau, ful		
	clau, ra, su <sup>3</sup>		
LA0917* LA0920	clau, ful, ra, e, su <sup>3</sup>		
	ful, ra, e, su <sup>3</sup>		
LA0989	afl, ful		
LA0990	cm, ful, e, su <sup>3</sup>		
LA0992	clau, ra, su <sup>3</sup> (com)		
LA0993	ra, si		
LA0994	cm, ver		
LA1073	clau, afl		
LA1074	clau, ver		
LA1075	ver, e, su <sup>3</sup>		
LA1536	clau, su³, ra; icn losome 5		
LA0512			
LA0312	mc, tf, wt, obv		
LA3850*			
	af, tf, obv nosome 6		
LA0336	c, sp (a, y)		
LA0640	yv, c		
LA0651	m-2, c		
LA0773	yv, m-2, c		
LA0773	yv, m-2, c (ms-2)		
LA0879	tl, yv		
LA0079			
LA1189*	yv, coa, c pds, c		
LA1190	pds, c pds, yv		
LA1190 LA1489	yv, ves-2, c		
LA1527			
LA3805	d-2, c		
LA3805	m-2, gib-1 yv, Mi, B <sup>og</sup> , sp, c		
LA3807	tl, yv, c		
LA0788	Chromosome 7  LA0788 La/+, deb		
LA07882	La/+, deb, adp		
LA0923	ig, La/+		
LA0923	La/+, not		
LA1083	ig, flc		
LA 1003	ig, iic		

LA	Construe
LA1103*	Genotype
	var, not
LA1104	deb, not
LA1172	La/+, Ig-5
	mosome 8
LA0513	I, bu, dl
LA0712	I, bu, dl; ms-2 I, va <sup>vırg</sup>
LA0776	
LA0897	I, bu, dl, al
LA0922	bu, dl, spa
LA0998	I, bu, dl, Pn/+
LA0999	tp, dl
LA1012	dl, l
LA1191	spa, ae
LA1442	dl, glg, marm
LA1666*	I, bu, dl, ae
	mosome 9
LA0883	pum, ah
LA0884	wd, marm
LA1000	nv, ah
LA1001	pum, ah, marm
LA1100	ah, pla, marm
LA1112	marm, lut
LA1176	Crk, ah, marm
LA3353*	ah, marm, pct
LA3297	Tm-2 <sup>a</sup> , nv (Tm)
Chror	nosome 10
LA0158	Xa/+, u, t (y)
LA0339	ag, u
LA0341	h, ag (ms-2)
LA0643	u, I-2
LA0649	t <sup>v</sup> , ag
LA0711	t <sup>v</sup> , ag (ms-2)
LA1002	h, u, l-2, t, ag (pe,
	lg)
LA1085	h, res
LA1086	h, ten
LA1110	icn, ag
LA1192	hy, ag
LA1487	icn, t <sup>v</sup>
LA2493	Xa-2, hy, h, ag
LA2495	Xa-2, h, ten, ag, al
LA2496	Xa-2, h, I-2, t
LA2497	hy, u, icn, h, ag
LA2498	u, Xa-3, h
LA2499	u, nor, t
LA2500	u, icn, h
LA2501	u, icn, h, ag
LA2502	u, h, auv, l-2, t <sup>v</sup>
LA2503	u, h, I-2, t <sup>v</sup> , ag
LA2504*	u, h, t, nd, ag
LA2505	u, I-2, t, ag, Xa
LA2506	ag, h, l-2, oli, t <sup>v</sup>
LA2507	h, t, nd, ag
LAZJUI	ii, i, iiu, uy

LA	Genotype
LA2508	h, t, ag, Xa
LA2509	oli, I-2, t <sup>v</sup> , ag (wf)
LA2591	Xa-2, h, ag
LA2592	u, h, t, nd, ag
LA2593	u, auv, ag
LA4341	h, hy, u
Chromosome 11	
LA0259	hl, a
LA0291	hl, a (ms-2)
LA0729	neg, a

LA	Genotype
LA0761	a, hl, j
LA0803	hl, a, pro (ms-2)
LA0881	neg, hl, a
LA0925*	j, hl, a, f
LA1102	a, hl, tab
LA1109	j, hl, mnt
LA1488	neg, ini
LA1786	j, f, a, bi (c)
LA2352	j, f (p, c)
LA2364	j, a, f (y, wt, c, l, u)

1.4	Canatuma	
LA	Genotype	
LA2489	neg <sup>ne-2</sup> , a	
LA4290	a, bks	
LA4291	a, bks²	
LA4292	j-2, up, wv-3	
LA4344	a, mon	
Chromosome 12		
LA1111	fd, alb	
LA1171	yg-2 <sup>aud</sup> , fd	
LA1177*	alb, mua	

#### 15. Linkage Screening Testers (16)

The following set of linkage testers each combines two pairs of strategically situated markers on two different chromosomes (see TGC 22: 24). They are intended primarily for assigning new, unmapped markers to a chromosome. The more complete chromosome marker combinations (list 6.1 above) should be used for subsequent testing to delimit loci more accurately. Whereas six of these stocks should pretty well cover the tomato genome, we list below the entire series of the current available testers because alternative stocks differ in their usefulness, depending upon the phenotype of the new mutant to be located. The chromosomal location of each pair of markers is indicated in parentheses.

LA	Genotype
LA0780	yv, c (chr 6); h, ag (chr 10)
LA0781	ful, e (chr 4); neg, a (chr 11)
LA0784	ful, e (chr 4); hl, a (chr 11)
LA0982	clau, e (chr 4); hl, a (chr 11)
LA0983	<i>I, dI</i> (chr 8); ah, marm (chr 9)
LA1163	d, wv (chr. 2); obv, tf (chr. 5)
LA1164	var, not (chr 7); ah, marm (chr 9)
LA1166	clau, su <sup>3</sup> (chr 4); icn, ag (chr 10)

LA	Genotype
LA1182	sy, sf (chr 3); alb, mua (chr 12)
LA1441	coa, c (chr 6); hl, a (chr 11)
LA1443	scf, dgt (chr 1); I, al (chr 8)
LA1444	wv, d (chr 2); af, tf (chr 5)
LA1445	<i>clau, su</i> <sup>3</sup> (chr 4); <i>h, icn, ag</i> (chr 10)
LA1491	scf, dgt (chr 1); spa, ae (chr 8)
LA1665	scf, dgt (chr 1); I, ae (chr 8)

## 16. Miscellaneous Marker Combinations (299)

The following list groups stocks in which various mutant genes have been combined for various purposes. A few of these items include linked genes, but are classified here because other linkage testers provide the same combinations or because they are more useful as markers of several chromosomes. Some multiple marker combinations that are of limited usefulness, difficult to maintain, and/or redundant with other genotypes, have been dropped from the current list.

LA	Genotype
LA0013	a, c, d, l, r, y
LA0014	al, d, dm, f, j, wt, h
LA0052	j, wt, br
LA0085	Wo, d, h
LA0137	dl, wd, gq
LA0158	t, u, Xa, y
LA0159	a, e, mc, t, u, y, wf
LA0169	ps, wf, wt
LA0189	bl, cl-2
LA0190	wf, br, bk
LA0215	at, y, u

LA	Genotype
LA0281	e, t, u
LA0296	br, bk, wf
LA0297	tf, ug, Nr
LA0299	ag, rv
LA0345	ch, j-2
LA0497	ch, j-2, sf
LA0499	Od, sn, at, cm/+
LA0508	gf, d, c, a, r, y
LA0638	ht, d, r
LA0648	rv, e, Wo, wf, j, h
LA0719	Jau, clau

LA	Genotype
LA0727	wv, d, c, r
LA0728	a, lut
LA0759	lg, vi, pe, t
LA0760	lg, vi
LA0770	clau, pa
LA0775	tf, h, au, +/d
LA0801	atv, slx
LA0875	hp, u, sp
LA0876	hp, sp
LA0895	tp, sp, u, Hr
LA0907	lut, pr

LA	Genotype
LA0908	per, var
LA0908	con, sf
LA0909 LA0912	ht, su <sup>3</sup>
	ful, su <sup>3</sup> , ht
LA0913	
LA0914	com, ful
LA0991	ful, e, com
LA0995	deb, um
LA0996	um, ig
LA1018	h, Od, ptb
LA1038	e, ht, su
LA1072	sy, sf, um
LA1078	ria, ves-2
LA1079	c, ves-2
LA1105	con, cur
LA1106	fsc, ah
LA1170	cn, con
LA1219	d, u
LA1663	Ln, Wo <sup>m</sup>
LA1664	hp, lp
LA1783	ad, sp
LA1787	Bk-2, en
LA1789	sſ <sup>cs</sup> , a
LA1796	Rs, d, h
LA1804	sr, sp, u
LA1805	sr, y
LA1806	ti, y, wf, al, j
LA2350	y, ne, p, c, sp, a
LA2353	y, wt, n
LA2355	sp, ug
LA2360	e, wt, I, u
LA2363	y, Wo, wt, c, t, j
LA2369	p, Tm-1
LA2370	wf, n, gs
LA2372	sp, fl
LA2441	d, m-2, mc, rvt, t, u
LA2452	B, f, gf, y
LA2453	Gr, u
LA2454	neg <sup>ne-2</sup> , u
LA2457	u, so
LA2458	Pto, sp, u
LA2461	sp, stu, u
LA2464	aer-2, r, upg, y
LA2464A	r, u, upg, y
LA2465	sp, u, v-2
LA2466	d, t, v-3
LA2467	pe, u, vi
LA2473	alb, c, gra, sft
LA2477	vo, cjf, wf, sp, l, u, h
LA2478	ae <sup>afr</sup> , r, gs, h
LA2486	inc, pds, sp, u, t
LA2490	pdw, mc, pst, dl
LA2492	ti, wf, e, mc, u, a
L/ \L-70L	a, wi, o, iiio, a, a

LA	Genotype
LA2524	af, sd
LA2526	dp, sp, u
LA2527	l allele, sp, u
LA2595	br, d, dm, wt, al, h,
LA2597	y, r, wf, mc, m-2, c, gs, gf, marm, h
LA2797	bu, j
LA3128	Ln, t, up
LA3212	tmf, d, sp, u
LA3217	glg, Pts
LA3252	Del, t
LA3254	a, c, I, Ve
LA3256	at, t
LA3257	gf, gs, r
LA3258	u, Ve
LA3261	Del, gs
LA3262	Del, ug
LA3267	Cf-4, u
LA3268	Tm-2, nv, u
LA3269	Tm-1, u
LA3209	
	Cf-?, Tm-1, u
LA3273	Gp, Tm-2 <sup>2</sup>
LA3274	ah, Tm-2, nv, u
LA3275	ah, Gp, Tm-2 <sup>2</sup>
LA3276	Tm-1, u, Ve
LA3279	at, Del
LA3284	at, gf
LA3286	r, ug, y
LA3287	hp, r, ug
LA3288	hp, ug, y
LA3289	gf, r, y
LA3290	gf, hp, y
LA3291	at, hp, t
LA3292	Tm-2, u
LA3294	bl, d, u
LA3297	Tm-1, Tm-2, nv
LA3299	ер, и
LA3311	og <sup>c</sup> , u
LA3315	sp, pst, u, j-2, up, vo
LA3362	gs, t
LA3363	at, gs
LA3364	gs, u
LA3365	gf, gs
LA3366	t, y
LA3367	hp, t
LA3368	hp, y
LA3369	at, y
LA3370	at, hp
LA3370	
LA3371	hp, u
LA3372 LA3373	gs, y
LASSIS	at, u

LA	Conotypo
LA3374	Genotype
LA3374	u, y
LA3375	gs, r
LA3376	Del, hp
	r, y
LA3382	r, u
LA3383	gs, hp
LA3384	gf, y
LA3385	gs, Nr
LA3386	gf, t
LA3387	Nr, t
LA3389	Nr, y
LA3390	Nr, ug
LA3391	gf, hp
LA3393	<i>r, t</i>
LA3394	at, ug
LA3395	gs, hp, y
LA3396	at, u, y
LA3397	gs, t, y
LA3398	gs, hp ,t
LA3399	at, gs, hp
LA3400	at, hp, u
LA3401	at, gs, y
LA3403	gf, gs, u
LA3404	hp, u, y
LA3405	gs, hp, u
LA3406	at, hp, y
LA3407	gs, u, y
LA3408	t, u, y
LA3409	gs, t, u
LA3410	at, gs, u
LA3411	gs, r, u
LA3412	gf, gs, hp, u
LA3413	at, gf
LA3414	t, ug
LA3415	ug, y
LA3416	hp, ug
LA3417	r, ug
LA3418	gf, gs, ug
LA3419	at, gf, gs
LA3420	gf, ug
LA3421	Nr, u
LA3422	at, gs, ug
LA3423	gf, gs, hp, u, y
LA3424	gs, hp, u, y
LA3425	gf, gs, hp, t, u
LA3426	gs, hp, t, u
LA3427	gf, gs, t, u
LA3428	I, u, Ve
LA3429	Del, gs, hp
LA3432	Tm-1, Tm-2, nv, u
LA3433	ah, Tm-2, nv, u
LA3437	at, Nr
L/ 10-701	GC, 141

LA	Genotype
LA3442	de, dil, u
LA3443	cor, de, u
LA3444	cor, dil, u
LA3445	cor, pum, u
LA3446	cor, sp, u
LA3447	dil, sp, u
LA3448	in, u
LA3449	d, sp, u
LA3450	bls, sp, u
LA3451	bl, sp, u
LA3540	l, u
LA3541	gs, r, ug
LA3542	u, ug
LA3543	bls, o, u
LA3545	Del, u, y
LA3546	bls, Cf-?, u
LA3547	ah, u
LA3548	pum, u
LA3549	bls, Gp, Tm-2 <sup>2</sup> , u
LA3557	Del, gf
LA3558	gf, Nr
LA3559	Del, gs, y
LA3561	gf, gs, hp, Nr, u
LA3562	gf, gs, u, y
LA3563	sp, u
LA3585	gf, u, ug
LA3587	r, u, ug
LA3589	u, ug, y
LA3590	Nr, gs, y
LA3591	Nr, u, y
LA3593	hp, u, ug
LA3594	gs, hp , ug
LA3595	gf, hp, ug
LA3596	hp, t, ug
LA3597	at, hp, ug
LA3598	r, t, ug
LA3599	at, t, ug
LA3600	t, ug, y
1 40004	

LA	Genotype
LA3603	at, gf, y
LA3604	hp, r, t
LA3605	at, ug, y
LA3606	r, t, y
LA3607	gs, hp, Nr
LA3608	hp, Nr, t
LA3609	hp, Nr, y
LA3615	ď <sup>x</sup> , u
LA3675	hp, Nr, u
LA3676	gf, hp, t
LA3677	gf, hp, r
LA3678	Nr, u, ug
LA3679	gs, Nr, ug
LA3680	Nr, t, u
LA3682	gs, t, ug
LA3683	gs, ug, y
LA3684	Nr, t, y
LA3686	gs, Nr, t
LA3688	gf, gs, hp
LA3689	gs, hp, r
LA3691	r, u, y
LA3692	at, r, y
LA3693	g, t, u
LA3694	Del, gs, u
LA3695	Del, hp, t
LA3697	gs, r, t
LA3698	gs, r, y
LA3699	gf, u, y
LA3700	at, gf, u
LA3701	at, t, u
LA3702	gf, gs, y
LA3703	gf, hp , u
LA3704	at, gf, hp
LA3706	at, gs, t
LA3706A	Del, t, y
LA3709	Del, gf, gs, hp, u
LA3741	pum, u
LA3742	de, u

LA	Genotype
LA3744	sph, u
LA3745	bl, u
LA3771	$hp, B^c$
LA3811	gf, r
LA3812	bls, Tm, Tm-2, nv
LA3815	Del, t, ug
LA3821	dil, pum, u
LA3826	mon, u
LA3827	dil, cor, sp, u
LA3830	ер, В <sup>с</sup> , и
LA4136	Rg-1, r
LA4342	oli, u, y
LA4343	gq, h
LA4348	yg-2, c <sup>int</sup>
LA4361	fri, tri
LA4362	fri, phyB2
LA4363	cry1, fri
LA4364	phyB2, tri
LA4365	cry1, tri
LA4366	fri, phyB2, tri
LA4367	cry1, tri, fri
LA4368	fri, hp-1, tri
LA4369	fri, hp-1, tri, phyB2
LA4455	ah, B <sup>c</sup>
LA4456	aw, B <sup>c</sup>
LA4457	B <sup>c</sup> , bls
LA4458	aw, c, ex, ps
LA4460	Cnr, y
LA4464	bl, uf
LA4465	bl, sp, uf
LA4466	j, uf
LA4467	j, sp, uf
LA4468	sp, uf
LA4469	s, uf

## 17. Provisional mutants (105).

gf, r, t

LA3601

The following group of provisional mutants are listed here, rather than with the monogenic stocks because they have not been fully characterized. For some, a monogenic segregation has not been verified, for others complementation tests were either not performed or did not detect allelism with existing mutants of similar phenotype. Most of these lines resulted from mutagenesis experiments, the remainder occurring spontaneously. More information on these stocks is available at our website.

cor, u

LA3743

Access.	Traits
2-293	Snout
2-305	Broad
2-473	Yellow fruit, pale corolla
2-493	Purple tipped leaves, puny

Access.	Traits
2-575	Poxed fruit
2-585	Balloon
2-621	Turbinate
2-625	Prolific leaves

Access.	Traits
2-629	Me-oid
2-633	Hooded flowers
2-643	Yellow green
3-003	yv-oid
3-055	Round cotyledons and leaves
3-073	Abnormal flowers, <i>are</i>
3-077	Dwarf
3-082	Dwarf
3-083	Yellow virescent
3-084	Yellow green
3-088	Light green, dark veins
3-097	Yellow green
3-098	Slow chlorotic
3-101	t/ mimic
3-106	Strong anthocyanin
3-107	Bright yellow virescent
3-107	Crippled
3-112	rv-oid
3-118	Rugose recurved leaves
3-110	Bright yellow
3-127	Yellow, anthocyanin
3-241-1	Long narrow
3-303	Slow, narrow leaves
3-305	La-mimic
3-307	Broad, grey green
3-307	Bunchy growth, mitten leaves
3-309	Slow, rugose
3-311	Acute, olive green
3-315	Glossy dwarf
3-317	ra-oid
3-317	Striated, divided
3-319	Narrow, dissected
3-321	Spirally coiled
3-325	Short, yellow virescent
3-329	Bronzing
3-329	Serrated leaves
3-335	Glossy dwarf
3-337 3-341	Glossy dwarf Dwarf
	Fimbriate leaves
3-403	
3-404	Speckled white
3-405	Streaked variageted
3-406	Streaked variegated
3-408	bu mimic
3-411	Blue green; bushy roots
3-423	ra-oid
3-424	Extreme dwarf
3-434	d^cr like
3-436	Overall yellow
3-441	Singed hairs
3-601	clau mimic

Access.	Traits
3-612	wiry mimic
3-613	La mimic
3-614	pds-oid
3-617	Dwarf
3-618	mimic of a
3-619	wiry mimic
3-621	d mimic
3-622	d mimic
3-624B	Yellow virescent
LA0506	Triplo-8 mimic
LA0652	calycine poxed, <i>ch</i>
LA0739	ag mimic
LA0765	Acute leaves
LA0791	Long slender fruit
LA0801	Pseudopolyploid, atv, slx
LA0870	frizzled virescent
LA0870	Calico
LA1012	Mottled, chlorotic petiole, <i>dl</i> , <i>l</i>
LA1012	spl-oid
LA1065	Miniature
LA1065	
	Speckled
LA1095	fy-oid
LA1098	Multiple inflor.
LA1144	ful mimic
LA1148	Light green
LA1149	Xanthoid
LA1154	pale virescent, twisted leaves
LA1160	Fused cotyledons
LA1193	Yellow-sectored
LA1201	rv-oid
LA1202	Dirty orange cherry
LA1436	Withered cotyledons
LA1494	Adventitious roots
LA1532	rv-oid
LA1533	Purple stem
LA1707	Short stature, btl
LA2018	Anthocyanin deficient
LA2019	t <sup>v</sup> mimic
LA2020	Dark green foliage
LA2021	Variegated yellow
LA2358	Marginal leaf chlorosis
LA2806	Incomplete anthocyanin mutant
LA2817	Ig mimic
LA2897	Virescent gold top
LA2899	Wrinkled fruit
LA3851	Virescent