

Files S1 and S2

Supporting Data

Available for download as Excel files at <http://www.g3journal.org/lookup/suppl/doi:10.1534/g3.112.003459/-/DC1>.

Table S1 Markers used for chromosome 5 and chromosome 11 introgressed regions

All markers are PCR-based and co-dominant unless otherwise noted. Position refers to the position in cM on the genetic maps of the introgressed regions from *S. habrochaites* (not the position on the entire chromosome). In the table, A and B refer to the band sizes for the *S. lycopersicum* and *S. habrochaites* alleles, respectively.

Chr	Marker	Position	Forward Primer	Reverse Primer	Tm ^a	Mg	Restriction	Band sizes (A, B)
						conc ^b	enzyme	
Chr5	TG358	0.0	CAACTTTTCCAGGTTCAATTTCTC	ACACCTACATGCTACTAAGGGGTC	53	2.0	<i>HhaI</i>	250, 300
	At1g10500	0.0	ACGATTCAATCATCGAGTACAATGG	AGCAGTAAACGATTTTCCACAACCAC	55	1.5	<i>HaeIII</i>	1000, 800
	T0536	0.3	GAGTTCGTAAGACTGATGG	ATTTCACTTATGCAGGTACG	55	1.5	<i>MnII</i>	300, 410
	cLEX-13-G5	1.5	GCAGCATTTAGGCTCAGAGG	TTCTCAGTGGATCGTGATGG	55	1.5	<i>HinfI</i>	320, 400
	U221402	1.8	AAGCCTCCTTGACAAATGCATATAG	AGATATAGCTACAGTGGCAGCTTCATC	55	1.5	<i>DdeI</i>	450, 650
	At3g55800	2.7	TTTGAATCAAGCTCATTATTTGG	AGCTGTTCTCCACAAGAAGCTG	55	1.5	<i>DpnII</i>	200, 320
	At2g39950 F2/R2	3.0	TTGGCTGAGTTAACTGGAAT	AATGTGGAGTCCAAGTGGAG	55	1.5	<i>DpnII</i>	170 and 180, 370
	TG23	5.5	ATGAACTTCCCTTAAGTATCTG	CCTTATCCATAGGTTCCAAAGG	57	2.0	<i>Asel</i>	650, 500
	At3g17210 F/R3^c	5.9	AGCACATTTTGCTAGCAAAGTTCAAAG	CAACATGAACAGGATGAGC	55	1.5	<i>DdeI</i>	A 450, B/h 600
	At3g17210 F2/R^c	5.9	GAGTTGTGAAGCACATTTTG	TGATGAAGATTTTCTATGCTCACATCC	55	1.5	<i>DdeI</i>	A/h 380 and 500, B null
	At5g49510	6.3	AAGCCAGTTTAGAGTTCCTGTGG	TTCTTTGGGAGTGGTAGCTTGTCG	59	1.5	<i>DdeI</i>	310, 250
	TG60	7.6	GGTTTGTGGTAGGTTTCATCC	TTTTTCTTTGTGAAATGTGC	51	1.5	<i>Tsp509I</i>	250, 120 and 150
	At2g31970	7.7	TGCGAGGGAGGTGTAGTGCTGG	AACAGAGCTGCAGCAAGACTCTCAC	55	1.5	<i>HpaII</i>	160 and 250, 400
	At4g12590	9.4	ACATGGCTATGGATATGATGAAGAAG	ACCCAGAGAAGAAGAAGTTGACCC	55	1.5	<i>HinfI</i>	120, 170
	T1777	9.5	AATTCTCCAGGAATTCACC	TCCAACCATTGAATATTTCC	55	1.5	<i>HaeIII</i>	700, 800
	T1541	9.9	CTCAACTATGGGTGGTGACAATAC	CTTTAGGTTTTTCGGGCTCTTAG	55	1.5	<i>HinfI</i>	300, 350 and 450
	TG69	12.0	TCTTTCTTTGAACTTTTGG	CAATGAGGGAAGTTCTTGG	51	1.5	<i>FokI</i>	300, 350
	At3g55360^d	12.3	TTTAGTGGTTACAGTAGCGGC	TGCCTCTGCAGATCAGCAAC	55	2.0	--	750, 400

Table S1, cont.

Chr	Marker	Position	Forward Primer	Reverse Primer	Tm ^a	Mg	Restriction	band sizes (A, B)
						conc ^b	enzyme	
Chr11	TG194	0.0	CAGATGAAAGAAAAGCCAAAAGAG	AATGCTCAGAAGGGAAACATAAAG	57	2.0	<i>MnII</i>	200, 400
	T0408	0.7	ATCAGGAACTAGCTCACAGG	AATCTTCCAGGCTTATTGG	57	2.0	<i>MnII</i>	480, 290 and 300
	SSR67 ^e	0.7	GCACGAGACCAAGCAGATTA	GGGCCTTCTCCAGTAGAC	61	1.5	<i>Ddel</i>	850, 390 and 650
	J1	1.4	CATCCACCGCTATGTACGTG	CACCACTCACCCATCTTGTG	60	1.5	<i>RsaI</i>	250, 300 and 470
	TG523	1.5	TGCAATGAAGATAAAAGACC	GTGGATAACTCGTTAGTTTCG	53	1.5	<i>DpnII</i>	350, 300
	At2g22570	1.5	ACTGAAGAGTGAGATTCCGGTGGAG	TCTGTTCCAGTGATACAATGAGGAGG	55	1.5	<i>HinfI</i>	190, 300
	At5g16710	3.0	ACTTGATGAGCTGACAGCTTCAATG	AGCTTTGGTCCAAGCGACAAATC	55	1.5	<i>HaellI</i>	900, 1100
	U340899	3.4	GTCCTTGAAGACTTTGATGC	CCCACATTACCAAGATATGG	53	1.5	<i>Ddel</i>	450, 300
	CT182	4.3	AGTCATTTCAATTTGATTGTAGC	AGGTGGCCAACCTCTTAGG	53	1.5	<i>Asel</i>	500, 370
	At4g22260	4.4	TCCTCTAACGGTCTAGAGAAATGGG	AGGAACTCTTGCAATTGTTCCAGAAC	55	1.5	<i>HinfI</i>	300, 420
	At3g02870	4.8	TGAAGCTGCTAAAAAGCTGGAGAG	ACAAAAGGGAACCCGTGCACAAAG	55	1.5	<i>HinfI</i>	950, 800
	At1g21690	5.5	ATGCAGAGCTCTCAGCCATGGG	ACCTACAGCAACAGCAGCAAAGTTC	57	1.5	<i>Ddel</i>	400, 280
	At1g44446	5.5	AGATCTTGACACGCACCTTTCAC	TCCTTGACAGCCAGATGCAGGAGTC	55	1.5	<i>Ddel</i>	200, 350
	At1g44790	5.6	TCGGTTTTATCAAAGGCTATCGTC	TGTTACTGTTCTACCTGGGAATTCTGG	55	1.5	<i>Asel</i>	130 and 160, 290
	cLEX-4-g10	6.9	TCCTCCAGAATTATCTGAGC	ACCAAGCTTTCTTAAACC	51	1.5	<i>HinfI</i>	450, 230 and 260
	cLEB-7-LI	7.5	GAGATCTGCTCTTCTCTTGC	ACAGCTCTGTTGATTCTTCC	59	1.5	<i>RsaI</i>	850, 700
	TG147	7.6	ACTGAGGTTAATGATGATGC	GATTAATTGGGAGTATTTGTCC	51	1.5	<i>RsaI</i>	180, 400
	At4g10050	8.4	ATCACCTTCTGCCTTTTCTTC	ATCTGGGATCTGAATGTCATCCTC	55	1.5	<i>HinfI</i>	500, 350
	At2g14260	8.4	AGGATCTATACCCCTCTATAGAGCC	TTATTGGGTGAAGTCCCACCTCC	55	1.5	<i>Ddel</i>	550, 500
	At5g04590	9.0	ATCACCACAGTCCTTGACAGGG	AGGACAAAGTGGAAAAGCTGGG	58	1.5	<i>Ddel</i>	750, 250
	TG400	9.4	GCTAATTGAAGTCAAAGAGCACAC	ACCTGTTGTTGCTTGGTTATATG	55	2.0	<i>HaellI</i>	275, 350

^a Annealing temperature in Celsius.

^b Mg concentration in mM.

^c Marker is dominant.

^d SCAR marker which does not require restriction enzyme digest for polymorphic bands.

^e To detect a polymorphism between parental genotypes, a restriction enzyme digest of SSR67 was required.

Table S2 Genotypes and means separation of sub-NILs for chr5

Means separation is given for all 09FD_120, GC_120, and 10FD_83 traits. Line Name indicates the name of each control or sub-NIL. The four digit designation for each sub-NIL is preceded by "08GH". The "2010" column indicates which lines were included in the 2010 field experiment. In the Genotype section, "A" indicates homozygosity for the *S. lycopersicum* allele, "B" indicates homozygosity for the *S. habrochaites* allele, and "h" indicates heterozygosity. Trait names are given according to dataset, location or isolate, and trait evaluated (see Materials & Methods). The lowest mean AUDPC for each trait is in bold and underlined.

Line Name	Genotype		Means Separation																								
	ID	2010	TG358	At10500	T0536	cLEX13G5	U221402	At55800	At39950	TG23	At17210	At49510	TG60	At31970	At12590	T11777	T1541	TG69	At55360	09FD_120 Loc1 LEAF	09FD_120 Loc2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1&2 LEAF	GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	
Hyp45-A	121	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.02 ^{ab}	4.70 ^{a-e}	5.33 ^{ab}	6.71 ^{ab}	3.71 ^a	4.51 ^a	4.30 ^a
Hyp45-B	122		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.17 ^{ab}	5.36 ^{ab}	--	--	--	--	--
E6203-A	123	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.24 ^{ab}	4.35 ^{a-e}	5.26 ^{a-c}	6.62 ^{a-e}	--	--	--
E6203-B	124	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.21 ^{ab}	4.62 ^{a-e}	5.05 ^{a-f}	6.52 ^{a-g}	3.36 ^{ab}	4.22 ^a	4.06 ^{ab}
E6203-C	129	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	--	--	4.96 ^{a-i}	6.44 ^{a-h}	--	--	--
E6203-D	130	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	--	--	5.03 ^{a-g}	6.32 ^{a-h}	--	--	--
LB5-NIL-A	125	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.74 ^{ab}	4.16 ^{a-e}	4.35 ^{h-l}	5.78^h	2.42^c	3.02^b	3.33 ^b
LB5-NIL-B	127	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	--	--	4.20^l	5.89 ^{f-h}	--	--	--
7187	102		B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.43 ^{ab}	3.38 ^{c-e}	--	--	3.40 ^{ab}	4.14 ^{ab}	3.16 ^{ab}
7214	103	x	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.43 ^{ab}	3.47 ^{c-e}	4.65 ^{c-l}	6.52 ^{a-g}	2.92 ^{a-c}	3.93 ^{ab}	3.57 ^{ab}
5455	52	x	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.55 ^{ab}	4.61 ^{a-e}	4.91 ^{a-j}	6.06 ^{b-h}	3.70 ^{ab}	4.12 ^{ab}	4.20 ^{ab}
5470	53	x	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.38 ^{ab}	4.12 ^{a-e}	4.59 ^{d-l}	5.94 ^{d-h}	3.40 ^{ab}	4.33 ^{ab}	4.72 ^{ab}
7127	100	x	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.93 ^{ab}	4.48 ^{a-e}	4.50 ^{e-l}	6.06 ^{b-h}	3.43 ^{ab}	3.79 ^{ab}	3.44 ^{ab}

Table S2, cont.

Line Name	Genotype		Means Separation																								
	2010	Genotype ID	TG358	At10500	Tn536	CLEX13G5	U221402	At55800	At39950	TG23	At17210	At49510	TG60	At31970	At12590	T1777	T1541	TG69	At55360	09FD_120 Loc1 LEAF	09FD_120 Loc2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1&2 LEAF	GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	
7094	99	x	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	6.17 ^{ab}	3.26 ^{de}	4.52 ^{e-1}	5.94 ^{d-h}	3.32 ^{a-c}	4.03 ^{ab}	4.22 ^{ab}
7226	104		B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.76 ^{ab}	3.75 ^{b-e}	--	--	3.78 ^{ab}	4.21 ^{ab}	4.30 ^{ab}
6555	84	x	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	5.86 ^{ab}	5.62 ^a	4.70 ^{a-1}	6.37 ^{a-h}	3.05 ^{a-c}	4.13 ^{ab}	3.34 ^{ab}
7444	106		B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	5.95 ^{ab}	4.25 ^{a-e}	--	--	3.51 ^{ab}	4.23 ^{ab}	4.27 ^{ab}
7471	108	x	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	5.86 ^{ab}	3.03^e	5.01 ^{a-g}	6.57 ^{a-f}	3.34 ^{a-c}	3.81 ^{ab}	4.12 ^{ab}
5592	56	x	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	5.75 ^{ab}	3.92 ^{a-e}	4.84 ^{a-1}	6.27 ^{a-h}	3.35 ^{a-c}	4.12 ^{ab}	3.35 ^{ab}
6215	72	x	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	6.05 ^{ab}	3.75 ^{b-e}	4.62 ^{c-1}	6.71 ^{ab}	3.08 ^{a-c}	3.37 ^{ab}	4.08 ^{ab}
6497	83	x	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	5.74 ^{ab}	4.72 ^{a-e}	4.39 ^{g-1}	5.98 ^{c-h}	3.19 ^{a-c}	4.28 ^{ab}	4.52 ^{ab}
6979	98	x	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	5.86 ^{ab}	4.44 ^{a-e}	4.80 ^{a-1}	6.68 ^{a-c}	3.44 ^{ab}	3.66 ^{ab}	3.87 ^{ab}
5553	55		B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	5.64 ^{ab}	4.46 ^{a-e}	--	--	3.38 ^{ab}	3.71 ^{ab}	3.68 ^{ab}
5873	65	x	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	5.69 ^{ab}	3.99 ^{a-e}	4.72 ^{a-1}	6.30 ^{a-h}	3.41 ^{ab}	3.80 ^{ab}	4.08 ^{ab}
6941	96	x	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	5.82 ^{ab}	4.20 ^{a-e}	4.52 ^{e-1}	6.14 ^{a-h}	2.55 ^{bc}	3.21 ^{ab}	3.25 ^{ab}
7459	107	x	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	5.71 ^{ab}	4.39 ^{a-e}	4.76 ^{a-1}	6.65 ^{a-d}	3.15 ^{a-c}	3.65 ^{ab}	3.55 ^{ab}
6603	85		B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	5.76 ^{ab}	3.51 ^{c-e}	--	--	3.35 ^{ab}	4.18 ^{ab}	3.42 ^{ab}
6947	97	x	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	5.55 ^{ab}	3.72 ^{b-e}	4.71 ^{a-1}	6.33 ^{a-h}	3.41 ^{ab}	3.70 ^{ab}	3.11 ^{ab}
6072	70	x	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	5.74 ^{ab}	4.08 ^{a-e}	4.44 ^{f-1}	6.40 ^{a-h}	3.42 ^{ab}	3.57 ^{ab}	4.12 ^{ab}
6927	95	x	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	5.86 ^{ab}	4.22 ^{a-e}	4.83 ^{a-1}	6.55 ^{a-f}	2.73 ^{a-c}	3.84 ^{ab}	4.12 ^{ab}
7374	105	x	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	5.71 ^{ab}	3.79 ^{b-e}	4.39 ^{g-1}	6.17 ^{a-h}	3.43 ^{ab}	4.22 ^{ab}	4.46 ^{ab}
6856	93	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	5.52 ^{ab}	3.73 ^{b-e}	4.26 ^{j-1}	6.02 ^{b-h}	3.35 ^{ab}	4.20 ^{ab}	4.22 ^{ab}
6900	94	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	h	A	A	5.48 ^{ab}	4.07 ^{a-e}	4.46 ^{f-1}	6.44 ^{a-h}	2.76 ^{bc}	3.91 ^{ab}	3.73 ^{ab}

Table S2, cont.

Line Name	Genotype ID	2010	Genotype														Means Separation										
			TG358	At10500	T0536	CLEX13G5	U221402	At55800	At39950	TG23	At17210	At49510	TG60	At31970	At12590	T1777	T1541	TG69	At55360	09FD_120 Loc1 LEAF	09FD_120 Loc2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1&2 LEAF	GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sai10 LEAF	
6321	79	x	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.64 ^{ab}	3.69 ^{b-e}	4.58 ^{d-l}	6.33 ^{a-h}	3.33 ^{ab}	3.74 ^{ab}	3.18 ^{ab}
6747	89		A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.50 ^{ab}	4.29 ^{a-e}	--	--	3.76 ^{ab}	4.45 ^{ab}	4.21 ^{ab}
6328	80	x	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.43 ^{ab}	4.01 ^{a-e}	4.58 ^{d-l}	6.63 ^{a-e}	3.61 ^{ab}	3.56 ^{ab}	4.29 ^{ab}
6681	86		A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	6.14 ^{ab}	4.22 ^{a-e}	--	--	3.54 ^{ab}	4.21 ^{ab}	4.40 ^{ab}
6345	81	x	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.93 ^{ab}	4.58 ^{a-e}	4.50 ^{e-l}	5.94 ^{d-h}	3.19 ^{a-c}	4.25 ^{ab}	3.22 ^{ab}
6709	87		A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	5.76 ^{ab}	4.10 ^{a-e}	--	--	3.15 ^{a-c}	3.88 ^{ab}	3.53 ^{ab}
6288	77	x	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	5.50 ^{ab}	4.22 ^{a-e}	4.70 ^{b-l}	6.52 ^{a-g}	3.25 ^{a-c}	3.78 ^{ab}	4.09 ^{ab}
5516	54	x	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	5.24 ^{ab}	3.59 ^{b-e}	4.31 ^{j-l}	6.35 ^{a-h}	3.51 ^{ab}	3.29 ^{ab}	3.70 ^{ab}
6226	73		A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	5.76 ^{ab}	4.49 ^{a-e}	--	--	3.10 ^{a-c}	3.17 ^{ab}	4.32 ^{ab}
6234	74		A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	4.69^b	3.25 ^{de}	--	--	2.85 ^{a-c}	4.42 ^{ab}	3.79 ^{ab}
6423	82		A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	6.00 ^{ab}	3.98 ^{a-e}	--	--	3.56 ^{ab}	3.58 ^{ab}	4.21 ^{ab}
6724	88		A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	5.17 ^{ab}	3.96 ^{a-e}	--	--	3.52 ^{ab}	3.85 ^{ab}	3.48 ^{ab}
7166	101		A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	5.33 ^{ab}	3.93 ^{a-e}	--	--	3.00 ^{a-c}	4.23 ^{ab}	3.11 ^{ab}
6261	75	x	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	5.00 ^{ab}	4.12 ^{a-e}	4.70 ^{a-l}	6.17 ^{a-h}	3.07 ^{a-c}	3.60 ^{ab}	2.76^{ab}
6782	90		A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	5.60 ^{ab}	4.24 ^{a-e}	--	--	2.96 ^{a-c}	4.12 ^{ab}	3.76 ^{ab}
5861	64	x	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	5.24 ^{ab}	4.24 ^{a-e}	4.25 ^{kl}	6.09 ^{b-h}	2.95 ^{a-c}	3.44 ^{ab}	4.11 ^{ab}
6799	91		A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	5.43 ^{ab}	3.61 ^{b-e}	--	--	3.19 ^{a-c}	4.10 ^{ab}	3.47 ^{ab}
5616	58	x	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	5.36 ^{ab}	4.20 ^{a-e}	4.32 ^{j-l}	5.83 ^{gh}	3.12 ^{a-c}	4.47 ^a	3.64 ^{ab}
5920	66		A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	5.76 ^{ab}	4.14 ^{a-e}	--	--	3.21 ^{a-c}	4.07 ^{ab}	3.17 ^{ab}
5941	67		A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	5.40 ^{ab}	4.46 ^{a-e}	--	--	3.46 ^{ab}	4.89 ^a	3.40 ^{ab}

Table S2, cont.

Line Name	Genotype		Means Separation																								
	Genotype ID	2010	TG358	At10500	T0536	clEX13G5	U221402	At55800	At39950	TG23	At17210	At49510	TG60	At31970	At12590	T1777	T1541	TG69	At55360	09FD_120 Loc1 LEAF	09FD_120 Loc2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1&2 LEAF	GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	
5968	68		A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	5.67 ^{ab}	4.40 ^{a-e}	--	--	2.94 ^{a-c}	4.37 ^{ab}	3.87 ^{ab}
5705	59	x	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	6.57 ^a	4.82 ^{a-d}	5.00 ^{a-h}	6.40 ^{a-h}	2.91 ^{a-c}	3.43 ^{ab}	4.49 ^{ab}
5722	60	x	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	5.67 ^{ab}	4.84 ^{a-d}	4.98 ^{a-h}	6.49 ^{a-h}	3.01 ^{a-c}	3.91 ^{ab}	4.40 ^{ab}
6011	69	x	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	6.00 ^{ab}	4.58 ^{a-e}	4.66 ^{c-l}	6.32 ^{a-h}	3.17 ^{a-c}	4.46 ^{ab}	4.61 ^{ab}
6302	78	x	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	4.69 ^b	5.07 ^{a-c}	5.13 ^{a-e}	6.33 ^{a-h}	2.91 ^{a-c}	4.04 ^{ab}	3.77 ^{ab}
5605	57	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	6.40 ^a	5.29 ^{ab}	5.00 ^{a-g}	6.60 ^{a-f}	3.40 ^{ab}	3.81 ^{ab}	3.88 ^{ab}
5771	62	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	6.00 ^{ab}	4.12 ^{a-e}	4.90 ^{a-k}	5.92 ^{e-h}	3.30 ^{a-c}	3.69 ^{ab}	4.35 ^{ab}
6094	71	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	6.33 ^{ab}	4.17 ^{a-e}	4.77 ^{a-l}	6.36 ^{a-h}	3.53 ^{ab}	4.39 ^{ab}	3.58 ^{ab}
6278	76	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	6.00 ^{ab}	3.89 ^{a-e}	5.34 ^{ab}	6.62 ^{a-e}	2.94 ^{a-c}	3.52 ^{ab}	3.45 ^{ab}
7610	109	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	6.07 ^{ab}	4.60 ^{a-e}	5.19 ^{a-d}	6.30 ^{a-h}	3.18 ^{a-c}	4.42 ^{ab}	3.68 ^{ab}
5726	61	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	6.00 ^{ab}	4.39 ^{a-e}	5.35 ^a	6.84 ^a	3.08 ^{a-c}	3.66 ^{ab}	3.77 ^{ab}
6042	63	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	5.64 ^{ab}	4.11 ^{a-e}	4.84 ^{a-l}	6.25 ^{a-h}	3.88 ^a	4.34 ^{ab}	3.96 ^{ab}
6805	92	x	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	5.55 ^{ab}	4.30 ^{a-e}	4.84 ^{a-l}	6.48 ^{a-h}	3.20 ^{a-c}	3.88 ^{ab}	4.13 ^{ab}
Means Separation																				*	*	*	*	*	*	*	

Table S2, cont.

Line Name	Genotype ID	2010	Means Separation								
			09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_120 Sal10 STEM	
Hyp45-A	121	x	3.38 ^{a-d}	3.78 ^{a-h}	3.02 ^{a-e}	5.00	4.77 ^{ab}	2.13 ^a	2.45 ^a	2.20 ^{ab}	
Hyp45-B	122		3.37 ^{a-d}	--	--	--	--	--	--	--	
E6203-A	123	x	2.61 ^{b-j}	3.68 ^{b-h}	2.70 ^{b-i}	4.82	4.55 ^{a-d}	--	--	--	
E6203-B	124	x	2.64 ^{b-j}	3.78 ^{a-h}	2.70 ^{b-i}	4.81	4.25 ^{a-f}	1.62 ^{a-c}	2.10 ^{ab}	1.97 ^{ab}	
E6203-C	129	x	--	3.64 ^{b-h}	2.75 ^{b-i}	4.82	4.61 ^{a-c}	--	--	--	
E6203-D	130	x	--	3.56 ^{b-h}	2.38 ^{b-i}	4.56	4.30 ^{a-f}	--	--	--	
LB5-NIL-A	125	x	3.35 ^{a-e}	3.86 ^{a-e}	3.10 ^{a-d}	5.00	4.23 ^{a-f}	1.37 ^{bc}	1.61 ^b	1.96 ^{ab}	
LB5-NIL-B	127	x	--	3.90 ^{a-d}	3.30 ^{ab}	4.82	4.23 ^{a-f}	--	--	--	
7187	102		2.39 ^{f-j}	--	--	--	--	1.60 ^{a-c}	2.48 ^{ab}	1.03 ^b	
7214	103	x	2.82 ^{b-j}	3.23 ^{f-i}	1.80 ^{hi}	4.78	3.66 ^{d-f}	1.27 ^{a-c}	2.60 ^{ab}	2.48 ^{ab}	
5455	52	x	3.04 ^{a-h}	3.62 ^{b-h}	2.84 ^{a-h}	4.75	4.11 ^{a-f}	2.09 ^{a-c}	2.24 ^{ab}	2.62 ^{ab}	
5470	53	x	2.59 ^{b-j}	3.74 ^{a-h}	2.65 ^{b-i}	4.65	3.66 ^{d-f}	1.60 ^{a-c}	2.50 ^{ab}	2.67 ^{ab}	
7127	100	x	3.28 ^{a-f}	3.66 ^{b-h}	3.00 ^{a-f}	4.71	3.79 ^{c-f}	1.84 ^{a-c}	2.63 ^{ab}	2.16 ^{ab}	

Table S2, cont.

Line Name	Genotype ID	2010	Means Separation								
			09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_120 Sai110 STEM	
7094	99	x	2.65 ^{b-j}	3.38 ^{d-i}	2.73 ^{b-i}	4.53	3.98 ^{b-i}	1.48 ^{a-c}	2.27 ^{ab}	2.50 ^{ab}	
7226	104		2.72 ^{b-j}	--	--	--	--	1.85 ^{a-c}	2.78 ^{ab}	2.35 ^{ab}	
6555	84	x	2.89 ^{b-j}	3.80 ^{a-f}	2.48 ^{b-i}	4.75	4.30 ^{a-f}	1.53 ^{a-c}	2.10 ^{ab}	1.67 ^{ab}	
7444	106		2.92 ^{b-j}	--	--	--	--	1.88 ^{a-c}	2.24 ^{ab}	2.06 ^{ab}	
7471	108	x	2.48 ^{d-j}	3.76 ^{a-h}	2.40 ^{b-i}	4.82	3.96 ^{b-f}	1.86 ^{a-c}	2.01 ^{ab}	2.37 ^{ab}	
5592	56	x	2.42 ^{e-j}	3.62 ^{b-h}	2.08 ^{d-i}	4.47	3.86 ^{c-f}	1.54 ^{a-c}	2.18 ^{ab}	1.52 ^{ab}	
6215	72	x	2.31 ^{g-j}	3.18 ^{g-i}	1.67 ⁱ	4.88	3.73 ^{c-f}	1.61 ^{a-c}	1.98 ^{ab}	2.24 ^{ab}	
6497	83	x	2.83 ^{b-j}	3.34 ^{d-i}	2.32 ^{b-i}	4.75	3.91 ^{b-f}	1.20 ^{a-c}	2.45 ^a	2.20 ^{ab}	
6979	98	x	2.66 ^{b-j}	3.51 ^{b-i}	2.53 ^{b-i}	5.00	4.18 ^{a-f}	2.12 ^{a-c}	2.43 ^{ab}	2.33 ^{ab}	
5553	55		3.02 ^{a-i}	--	--	--	--	1.75 ^{a-c}	2.13 ^{ab}	2.29 ^{ab}	
5873	65	x	2.55 ^{b-j}	3.54 ^{b-i}	2.48 ^{b-i}	4.81	3.84 ^{c-f}	2.04 ^{a-c}	1.99 ^{ab}	2.32 ^{ab}	
6941	96	x	2.63 ^{b-j}	3.58 ^{b-h}	1.90 ^{t-i}	4.75	3.54 ^{e-f}	1.11 ^{a-c}	1.66 ^{ab}	1.18 ^b	
7459	107	x	2.50 ^{c-j}	3.25 ^{e-i}	2.45 ^{b-i}	4.75	3.98 ^{b-f}	1.38 ^{a-c}	1.79 ^{ab}	1.69 ^{ab}	
6603	85		2.02 ^j	--	--	--	--	1.82 ^{a-c}	2.64 ^{ab}	1.59 ^{ab}	
6947	97	x	2.10 ^{ij}	2.93 ⁱ	2.07 ^{d-i}	4.77	3.48 ^f	1.84 ^{a-c}	1.81 ^{ab}	1.03 ^b	
6072	70	x	2.76 ^{b-j}	3.49 ^{b-i}	1.98 ^{e-i}	5.00	3.80 ^{c-f}	1.82 ^{a-c}	1.65 ^{ab}	2.09 ^{ab}	
6927	95	x	2.65 ^{b-j}	3.44 ^{c-i}	2.15 ^{c-i}	4.71	3.93 ^{b-f}	1.44 ^{a-c}	1.79 ^{ab}	2.18 ^{ab}	
7374	105	x	2.63 ^{b-j}	3.48 ^{b-i}	2.80 ^{b-h}	4.75	3.91 ^{b-f}	2.05 ^{a-c}	2.53 ^{ab}	2.39 ^{ab}	
6856	93	x	3.29 ^{a-f}	3.59 ^{b-h}	2.58 ^{b-i}	4.71	3.96 ^{b-f}	1.91 ^{a-c}	2.59 ^{ab}	2.26 ^{ab}	
6900	94	x	3.22 ^{a-g}	3.48 ^{b-i}	2.57 ^{b-i}	4.94	3.79 ^{c-f}	1.64 ^{a-c}	2.41 ^{ab}	1.83 ^{ab}	

Table S2, cont.

Line Name	Genotype ID	2010	Means Separation								
			09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_120 Sal110 STEM	
6321	79	x	3.42 ^{a-c}	4.08 ^{ab}	3.15 ^{a-d}	5.00	4.46 ^{a-d}	2.51 ^{ab}	1.88 ^{ab}	1.89 ^{ab}	
6747	89		2.90 ^{b-j}	--	--	--	--	1.92 ^{a-c}	2.53 ^{ab}	1.94 ^{ab}	
6328	80	x	2.84 ^{b-j}	3.58 ^{b-h}	2.57 ^{b-i}	4.83	4.29 ^{a-f}	1.59 ^{a-c}	1.97 ^{ab}	2.61 ^{ab}	
6681	86		2.74 ^{b-j}	--	--	--	--	1.99 ^{a-c}	2.39 ^{ab}	2.34 ^{ab}	
6345	81	x	2.97 ^{a-i}	3.66 ^{b-h}	2.90 ^{a-h}	4.65	3.91 ^{b-f}	1.37 ^{a-c}	2.18 ^{ab}	1.40 ^{ab}	
6709	87		2.93 ^{b-j}	--	--	--	--	1.95 ^{a-c}	2.34 ^{ab}	1.85 ^{ab}	
6288	77	x	3.43 ^{ab}	3.79 ^{a-g}	3.35 ^{ab}	5.00	4.41 ^{a-e}	1.79 ^{a-c}	2.33 ^{ab}	2.16 ^{ab}	
5516	54	x	3.17 ^{a-h}	3.66 ^{b-h}	2.70 ^{b-i}	4.75	3.98 ^{b-f}	1.93 ^{a-c}	1.58 ^{ab}	1.93 ^{ab}	
6226	73		3.12 ^{a-h}	--	--	--	--	1.55 ^{a-c}	1.58 ^{ab}	2.25 ^{ab}	
6234	74		2.95 ^{b-i}	--	--	--	--	1.43 ^{a-c}	2.36 ^{ab}	2.08 ^{ab}	
6423	82		2.28 ^{h-j}	--	--	--	--	1.90 ^{a-c}	1.86 ^{ab}	2.28 ^{ab}	
6724	88		2.74 ^{b-j}	--	--	--	--	2.35 ^{ab}	2.25 ^{ab}	1.45 ^{ab}	
7166	101		3.00 ^{a-i}	--	--	--	--	1.52 ^{a-c}	2.23 ^{ab}	1.26 ^b	
6261	75	x	2.71 ^{b-j}	3.84 ^{a-f}	3.27 ^{ab}	4.84	4.46 ^{a-d}	1.30 ^{a-c}	2.20 ^{ab}	1.47 ^{ab}	
6782	90		2.93 ^{b-j}	--	--	--	--	1.88 ^{a-c}	2.58 ^{ab}	2.15 ^{ab}	
5861	64	x	2.79 ^{b-j}	3.76 ^{a-h}	3.13 ^{a-d}	4.82	3.98 ^{b-f}	1.45 ^{a-c}	2.01 ^{ab}	2.37 ^{ab}	
6799	91		3.23 ^{a-g}	--	--	--	--	1.48 ^{a-c}	2.38 ^{ab}	2.05 ^{ab}	
5616	58	x	2.96 ^{b-i}	4.01 ^{a-c}	3.09 ^{a-d}	4.79	4.48 ^{a-d}	1.86 ^{a-c}	2.71 ^{ab}	2.03 ^{ab}	
5920	66		3.25 ^{a-f}	--	--	--	--	2.16 ^{a-c}	2.20 ^{ab}	2.26 ^{ab}	
5941	67		3.13 ^{a-h}	--	--	--	--	2.43 ^a	3.07 ^a	1.74 ^{ab}	

Table S2, cont.

Line Name	Genotype ID	2010	Means Separation								
			09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_120 Sal10 STEM	
5968	68		2.85 ^{b-j}	--	--	--	--	--	1.70 ^{a-c}	2.89 ^{ab}	1.93 ^{ab}
5705	59	x	3.16 ^{a-h}	3.86 ^{a-e}	2.80 ^{b-h}	5.00	4.36 ^{a-f}	1.18 ^{a-c}	2.30 ^{ab}	2.81 ^{ab}	
5722	60	x	2.27 ^{h-j}	3.26 ^{e-i}	2.30 ^{b-i}	4.69	4.00 ^{a-f}	0.96^c	1.87 ^{ab}	1.71 ^{ab}	
6011	69	x	3.89 ^a	4.31 ^a	3.92 ^a	5.00	4.89 ^a	1.97 ^{a-c}	2.75 ^{ab}	3.43 ^a	
6302	78	x	2.55 ^{b-j}	3.82 ^{a-f}	3.22 ^{a-c}	4.93	4.63 ^{a-c}	1.83 ^{a-c}	2.48 ^{ab}	1.98 ^{ab}	
5605	57	x	2.80 ^{b-j}	3.72 ^{a-h}	2.98 ^{a-f}	4.94	4.36 ^{a-f}	1.80 ^{a-c}	2.10 ^{ab}	1.73 ^{ab}	
5771	62	x	3.00 ^{a-i}	3.84 ^{a-f}	2.98 ^{a-f}	4.88	4.11 ^{a-f}	1.63 ^{a-c}	1.84 ^{ab}	2.63 ^{ab}	
6094	71	x	2.82 ^{b-j}	3.76 ^{a-h}	3.00 ^{a-f}	4.72	4.09 ^{a-f}	1.85 ^{a-c}	2.23 ^{ab}	1.89 ^{ab}	
6278	76	x	2.96 ^{a-i}	3.66 ^{b-h}	2.52 ^{b-i}	4.88	4.61 ^{a-c}	1.76 ^{a-c}	1.94 ^{ab}	1.75 ^{ab}	
7610	109	x	2.94 ^{b-j}	3.66 ^{b-h}	3.00 ^{a-f}	5.00	4.09 ^{a-f}	1.37 ^{a-c}	2.32 ^{ab}	1.92 ^{ab}	
5726	61	x	2.30 ^{h-j}	3.18 ^{hi}	1.83 ^{g-i}	4.93	3.77 ^{c-f}	1.43 ^{a-c}	1.36^{ab}	1.95 ^{ab}	
6042	63	x	2.70 ^{b-j}	3.86 ^{a-e}	2.47 ^{b-i}	4.75	4.27 ^{a-f}	2.45 ^a	2.65 ^{ab}	2.04 ^{ab}	
6805	92	x	2.80 ^{b-j}	3.84 ^{a-f}	2.93 ^{a-g}	4.74	4.41 ^{a-e}	1.43 ^{a-c}	2.04 ^{ab}	1.92 ^{ab}	
Means Separation			*	*	*	ns	*	*	*	*	

^a In Proc MIXED in SAS, means separation are calculated using both the difference between means and the number of replications for each entry. Therefore, letter rankings are not always contiguous.

A double dash (--) indicates that the line was not included in the experiment.

An asterisk (*) indicates significance at $P \leq 0.05$ and "ns" indicates not significant.

Table S3 Genotypes and means separation of sub-NILs for chr11

Means separation is given for all 09FD_120, GC_120, and 10FD_83 traits. Line Name indicates the name of each control or sub-NIL. The four digit designation for each sub-NIL is preceded by "08GH". The "2010" column indicates which lines were included in the 2010 field experiment. In the Genotype section, "A" indicates homozygosity for the *S. lycopersicum* allele and "B" indicates homozygosity for the *S. habrochaites* allele. Trait names are given according to dataset, location or isolate, and trait evaluated. The lowest mean AUDPC for each trait is in bold and underlined.

Line Name	Genotype																		Means Separation									
	ID	2010	TG194	T0408	SSR67	J1	At22570	TG523	At16710	U340899	CT182	At22260	At02870	At44446	At21690	At44790	CLEX4G10	CLEB7L1	TG147	At14260	At10050	At04590	TG400	09FD_120 Loc1&2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1 LEAF	10FD-late_83 Loc2 LEAF	
Hyp45-A	121	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.54 ^a	5.37 ^a	6.70 ^{a-d}	6.71 ^{ab}
Hyp45-B	122		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.89 ^a	--	--	--
E6203-A	123	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.55 ^a	5.31 ^{ab}	6.40 ^{a-g}	6.89 ^a
E6203-B	124	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.67 ^a	5.10 ^{a-d}	6.50 ^{a-f}	6.54 ^{a-c}
E6203-C	129	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	--	5.04 ^{a-d}	6.40 ^{a-g}	6.48 ^{a-c}
E6203-D	130	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	--	5.07 ^{a-d}	6.00 ^{b-g}	6.71 ^{ab}
LB11-NIL-A	126	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	4.95 ^{ab}	4.35 ^{f-h}	5.90 ^{c-g}	6.05 ^{a-c}
LB11-NIL-B	128	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	--	4.15^h	5.60 ^{fg}	5.52^c
3951	9	x	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.45 ^{ab}	4.62 ^{c-h}	6.40 ^{a-g}	5.95 ^{a-c}
5103	42		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.56 ^a	--	--	--
4228	16	x	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	4.76 ^{ab}	4.89 ^{a-f}	6.50 ^{a-f}	6.25 ^{a-c}
3999	11	x	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	4.97 ^{ab}	4.21 ^{gh}	6.00 ^{b-g}	6.18 ^{a-c}
4945	35		B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.61 ^a	--	--	--
3892	8	x	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.59 ^a	5.17 ^{a-c}	6.80 ^{a-c}	6.54 ^{a-c}

Table S3, cont.

Line Name	Genotype ID	2010	Genotype																	Means Separation								
			TG194	T0408	SSR67	J1	At22570	TG523	At16710	U340899	CT182	At22260	At02870	At44446	At21690	At44790	cLEX4G10	cLEB7L1	TG147	At14260	At10050	At04590	TG400	09FD_120 Loc1&2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1 LEAF	10FD-late_83 Loc2 LEAF	
3969	10	x	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.77 ^a	5.05 ^{a-d}	6.70 ^{a-d}	6.71 ^{ab}
4257	17		B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.52 ^a	--	--	--
4940	34		B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.62 ^a	--	--	--
7717	110	x	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.69 ^a	4.90 ^{a-f}	6.40 ^{a-g}	6.95 ^a
7731	111		B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.60 ^a	--	--	--
4265	18	x	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.24 ^{ab}	4.75 ^{a-h}	6.40 ^{a-g}	6.66 ^{a-c}
4290	19		B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.19 ^{ab}	--	--	--
5224	45		B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.77 ^a	--	--	--
7852	116	x	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	5.26 ^{ab}	4.62 ^{c-h}	6.10 ^{a-g}	6.66 ^{a-c}
3827	6	x	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	5.26 ^{ab}	5.10 ^{a-d}	6.80 ^{a-c}	6.59 ^{a-c}
4659	24		B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	5.39 ^{ab}	--	--	--
4305	20	x	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	4.98 ^{ab}	4.70 ^{b-h}	6.40 ^{a-g}	6.36 ^{a-c}
7743	112		B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	5.46 ^{ab}	--	--	--
7766	113	x	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	5.45 ^{ab}	4.97 ^{a-f}	6.40 ^{a-g}	6.89 ^a
7868	117	x	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	5.38 ^{ab}	4.77 ^{a-h}	6.70 ^{a-d}	5.88 ^{a-c}
4718	25	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	5.53 ^a	4.84 ^{a-g}	6.50 ^{a-f}	6.13 ^{a-c}
4759	26	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	5.67 ^a	4.90 ^{a-f}	6.70 ^{a-d}	6.23 ^{a-c}
5339	48	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	5.65 ^a	4.90 ^{a-f}	6.40 ^{a-g}	6.48 ^{a-c}
4969	37	x	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	5.22 ^{ab}	4.66 ^{c-h}	6.40 ^{a-g}	5.93 ^{a-c}
7799	114		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	4.74 ^{ab}	--	--	--

Table S3, cont.

Line Name	Genotype ID	2010	Genotype																	Means Separation										
			TG194	T0408	SSR67	J1	At22570	TG523	At16710	U340899	CT182	At22260	At02870	At44446	At21690	At44790	cLEX4G10	cLEB7L1	TG147	At14260	At10050	At04590	TG400	09FD_120 Loc1&2 LEAF	10FD-early_83 Loc1&2 LEAF	10FD-late_83 Loc1 LEAF	10FD-late_83 Loc2 LEAF			
4106	14	x	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	4.93 ^{ab}	4.16 ^h	5.90 ^{c-g}	6.00 ^{a-c}
4925	33	x	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	5.19 ^{ab}	4.93 ^{a-f}	6.90 ^{ab}	6.59 ^{a-c}
4498	22	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	4.92 ^{ab}	5.04 ^{a-d}	6.60 ^{a-e}	6.30 ^{a-c}
3723	2	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	4.88 ^{ab}	4.34 ^{f-h}	6.20 ^{a-g}	6.13 ^{a-c}
4794	27	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	5.03 ^{ab}	4.76 ^{a-h}	6.10 ^{a-g}	6.71 ^{ab}
4802	28	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	4.93 ^{ab}	5.03 ^{a-d}	6.70 ^{a-d}	5.95 ^{a-c}
5245	46	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	B	B	5.20 ^{ab}	4.76 ^{a-h}	6.30 ^{a-g}	6.18 ^{a-c}
3740	3	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	4.65 ^{ab}	4.51 ^{d-h}	6.50 ^{a-f}	6.30 ^{a-c}
5285	47	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	4.93 ^{ab}	4.73 ^{b-h}	6.40 ^{a-g}	6.43 ^{a-c}
3765	4	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	4.97 ^{ab}	4.48 ^{d-h}	6.30 ^{a-g}	6.05 ^{a-c}
4897	31	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	5.04 ^{ab}	4.47 ^{d-h}	5.50^g	5.82 ^{a-c}
5362	49	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	4.82 ^{ab}	4.82 ^{a-g}	6.50 ^{a-f}	6.07 ^{a-c}
4877	30	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	5.18 ^{ab}	4.82 ^{a-g}	7.00 ^a	6.54 ^{a-c}
8009	119	x	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	4.80 ^{ab}	4.69 ^{b-h}	6.60 ^{a-e}	6.36 ^{a-c}
3814	5		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	5.98 ^a	--	--	--
Means Separation																								*	*	*	*			

Table S3, cont.

Line Name	Genotype ID	2010	Means Separation												
			GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_1_120 Sal10 STEM	GC-2_120 Sal10 STEM	GC-3_120 Sal10 STEM
Hyp45-A	121	x	3.75 ^a	4.45 ^a	4.08	3.38 ^{ab}	3.78 ^{b-e}	3.02 ^{a-d}	4.90 ^a	4.79 ^{ab}	2.26 ^a	2.45	2.03	2.45	1.77 ^{ab}
Hyp45-B	122		--	--	--	3.37 ^{a-c}	--	--	--	--	--	--	--	--	--
E6203-A	123	x	--	--	--	2.61 ^{bc}	3.68 ^{c-e}	2.70 ^{b-d}	4.69 ^{ab}	4.53 ^{a-d}	--	--	--	--	--
E6203-B	124	x	3.41 ^{ab}	4.25 ^{a-c}	3.87	2.64 ^{bc}	3.78 ^{b-e}	2.70 ^{b-d}	4.56 ^{ab}	4.18 ^{a-d}	1.80 ^{ab}	2.19	1.76	2.22	1.70 ^{ab}
E6203-C	129	x	--	--	--	--	3.64 ^{c-e}	2.75 ^{b-d}	4.71 ^{ab}	4.62 ^{a-d}	--	--	--	--	--
E6203-D	130	x	--	--	--	--	3.56 ^{c-e}	2.38 ^{de}	4.47 ^{ab}	4.33 ^{a-d}	--	--	--	--	--
LB11-NIL-A	126	x	3.15 ^b	3.55 ^{bc}	3.47	2.75 ^{a-c}	3.64 ^{c-e}	2.66 ^{b-d}	4.21 ^{ab}	3.88 ^{b-d}	1.34 ^b	1.77	1.49	2.25	1.66 ^b
LB11-NIL-B	128	x	--	--	--	--	3.62 ^{c-e}	2.50 ^{cd}	4.07^b	3.79 ^{cd}	--	--	--	--	--
3951	9	x	3.83 ^{ab}	4.80 ^{a-c}	4.29	2.95 ^{a-c}	3.59 ^{c-e}	2.85 ^{a-d}	4.26 ^{ab}	3.83 ^{cd}	1.93 ^{ab}	2.42	2.39	3.05	1.68 ^{ab}
5103	42		3.25 ^{ab}	3.43 ^{a-c}	4.62	2.33^c	--	--	--	--	1.53 ^{ab}	1.47	2.42	2.84	1.93 ^{ab}
4228	16	x	3.00 ^{ab}	3.75 ^{a-c}	4.10	2.84 ^{a-c}	3.41 ^{c-e}	1.27^e	4.36 ^{ab}	3.96 ^{b-d}	1.90 ^{ab}	1.79	1.44	3.81	0.86 ^b
3999	11	x	3.29 ^{ab}	4.48 ^{a-c}	4.33	2.90 ^{a-c}	3.26^e	2.28 ^{de}	4.28 ^{ab}	3.91 ^{b-d}	1.69 ^{ab}	2.34	1.53	2.01	1.95 ^{ab}
4945	35		3.64 ^{ab}	4.12 ^{a-c}	4.16	2.92 ^{a-c}	--	--	--	--	1.31 ^{ab}	2.10	2.19	2.25	1.41 ^{ab}
3892	8	x	3.21 ^{ab}	4.43 ^{a-c}	4.55	2.69 ^{bc}	3.53 ^{c-e}	2.10 ^{de}	4.56 ^{ab}	4.11 ^{a-d}	1.70 ^{ab}	2.41	2.34	2.74	1.78 ^{ab}

Table S3, cont.

Line Name	Genotype ID	2010	Means Separation												
			GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC-1_120 Sal10 STEM	GC-2_120 Sal10 STEM	GC-3_120 Sal10 STEM
3969	10	x	3.59 ^{ab}	3.88 ^{a-c}	3.44	3.55 ^{ab}	3.70 ^{c-e}	2.48 ^{cd}	4.69 ^{ab}	4.46 ^{a-d}	2.14 ^{ab}	1.77	1.02	2.09	2.32 ^{ab}
4257	17		3.62 ^{ab}	4.43 ^{a-c}	4.77	3.22 ^{a-c}	--	--	--	--	2.01 ^{ab}	2.42	2.83	3.25	2.19 ^{ab}
4940	34		3.53 ^{ab}	4.06 ^{a-c}	4.15	2.59 ^{bc}	--	--	--	--	1.55 ^{ab}	2.39	1.81	2.49	2.32 ^{ab}
7717	110	x	3.66 ^{ab}	3.90 ^{a-c}	3.38	3.26 ^{a-c}	3.62 ^{c-e}	2.77 ^{b-d}	4.71 ^{ab}	4.70 ^{a-c}	2.30 ^{ac}	2.18	1.61	1.89	2.28 ^{ab}
7731	111		3.66 ^{ab}	4.35 ^{a-c}	3.90	3.31 ^{a-c}	--	--	--	--	1.96 ^{ab}	2.88	1.44	2.29	1.85 ^{ab}
4265	18	x	3.26 ^{ab}	4.05 ^{a-c}	3.88	3.21 ^{a-c}	3.59 ^{c-e}	2.80 ^{b-d}	4.68 ^{ab}	4.79 ^{ab}	1.67 ^{ab}	2.09	1.82	2.59	1.14 ^{ab}
4290	19		3.21 ^{ab}	4.00 ^{a-c}	4.53	2.53 ^{bc}	--	--	--	--	1.62 ^{ab}	2.02	1.51	3.33	2.25 ^{ab}
5224	45		3.30 ^{ab}	4.24 ^{a-c}	3.75	2.60 ^{bc}	--	--	--	--	1.70 ^{ab}	2.10	1.93	3.29	1.34 ^{ab}
7852	116	x	2.94 ^{ab}	3.55 ^{a-c}	3.22	3.40 ^{ab}	3.94 ^{a-c}	2.70 ^{b-d}	4.40 ^{ab}	3.78 ^{cd}	1.43 ^{ab}	1.91	0.90	1.49	1.01 ^b
3827	6	x	3.90 ^{ab}	4.17 ^{a-c}	4.57	3.02 ^{a-c}	3.69 ^{c-e}	3.02 ^{a-d}	4.85 ^a	4.79 ^{ab}	2.07 ^{ab}	2.29	2.13	3.39	2.25 ^{ab}
4659	24		3.20 ^{ab}	3.00^c	3.49	2.91 ^{a-c}	--	--	--	--	1.83 ^{ab}	1.20	2.41	2.86	0.79 ^b
4305	20	x	3.48 ^{ab}	4.16 ^{a-c}	4.58	2.56 ^{bc}	3.78 ^{b-e}	2.85 ^{a-d}	4.52 ^{ab}	4.13 ^{a-d}	2.00 ^{ab}	2.11	2.48	3.78	2.52 ^{ab}
7743	112		3.61 ^{ab}	4.04 ^{a-c}	4.98	2.98 ^{a-c}	--	--	--	--	1.97 ^{ab}	2.22	1.75	2.44	2.32 ^{ab}
7766	113	x	3.88 ^{ab}	4.04 ^{a-c}	3.73	2.88 ^{a-c}	3.59 ^{c-e}	2.30 ^{de}	4.74 ^{ab}	4.62 ^{a-d}	2.18 ^{ab}	2.12	2.29	2.17	0.55^b
7868	117	x	3.27 ^{ab}	4.03 ^{a-c}	3.02	2.64 ^{bc}	3.52 ^{c-e}	2.63 ^{cd}	4.41 ^{ab}	3.86 ^{b-d}	1.87 ^{ab}	2.63	0.87	1.58	1.95 ^{ab}
4718	25	x	3.26 ^{ab}	3.79 ^{a-c}	4.48	2.76 ^{a-c}	3.71 ^{c-e}	2.60 ^{cd}	4.66 ^{ab}	4.20 ^{a-d}	1.33 ^{ab}	1.88	1.54	2.94	1.26 ^{ab}
4759	26	x	3.48 ^{ab}	3.35 ^{a-c}	2.97	3.41 ^{ab}	3.59 ^{c-e}	2.92 ^{a-d}	4.54 ^{ab}	4.27 ^{a-d}	2.14 ^{ab}	2.03	1.44	1.37	1.04 ^{ab}
5339	48	x	3.17 ^{ab}	4.30 ^{a-c}	3.53	2.92 ^{a-c}	3.68 ^{c-e}	2.55 ^{cd}	4.60 ^{ab}	4.34 ^{a-d}	1.48 ^{ab}	2.16	1.32	3.48	1.28 ^{ab}
4969	37	x	3.02 ^{ab}	3.30 ^{a-c}	3.62	3.04 ^{a-c}	3.36 ^{de}	2.98 ^{a-d}	4.58 ^{ab}	4.29 ^{a-d}	1.51 ^{ab}	1.65	1.15	2.36	0.63 ^b
7799	114		3.31 ^{ab}	3.83 ^{a-c}	3.58	3.16 ^{a-c}	--	--	--	--	1.60 ^{ab}	2.09	2.34	2.12	0.88 ^b

Table S3, cont.

Line Name	Genotype ID	2010	Means Separation												
			GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC_1_120 Sal10 STEM	GC_2_120 Sal10 STEM	GC_3_120 Sal10 STEM
3845	7	x	3.23 ^{ab}	3.94 ^{a-c}	3.48	3.31 ^{a-c}	3.74 ^{c-c}	2.95 ^{b-d}	4.71 ^{ab}	4.55 ^{b-d}	1.50 ^{ab}	2.10	1.81	1.92	2.14 ^{ab}
4961	36		3.18 ^{ab}	4.14 ^{a-c}	4.17	2.96 ^{a-c}	--	--	--	--	1.68 ^{ab}	2.32	3.36	1.72	1.78 ^{ab}
7952	118		3.14 ^{ab}	4.00 ^{a-c}	3.41	3.25 ^{a-c}	--	--	--	--	1.97 ^{ab}	1.94	2.70	0.91	2.28 ^{ab}
5385	50	x	2.96 ^{ab}	4.15 ^{a-c}	4.06	3.16 ^{a-c}	3.64 ^{c-e}	2.65 ^{b-d}	4.38 ^{ab}	3.94 ^{b-d}	1.36 ^{ab}	2.58	1.85	3.70	1.05 ^{ab}
5422	51		3.46 ^{ab}	4.21 ^{a-c}	4.37	2.80 ^{a-c}	--	--	--	--	2.04 ^{ab}	2.14	2.55	3.45	2.42 ^{ab}
4993	38	x	3.19 ^{ab}	3.93 ^{a-c}	3.61	3.47 ^{ab}	3.82 ^{b-e}	3.82 ^{ab}	4.74 ^{ab}	4.71 ^{a-c}	2.01 ^{ab}	2.84	2.43	3.33	2.06 ^{ab}
5010	39	x	3.64 ^{ab}	3.67 ^{a-c}	3.67	2.87 ^{a-c}	3.64 ^{c-e}	2.80 ^{b-d}	4.52 ^{ab}	4.17 ^{a-d}	1.30 ^{ab}	1.20	1.90	1.36	1.60 ^{ab}
5015	40		3.59 ^{ab}	4.94 ^{ab}	4.09	2.82 ^{a-c}	--	--	--	--	1.42 ^{ab}	2.60	1.78	1.90	2.28 ^{ab}
5055	41	x	3.31 ^{ab}	4.03 ^{a-c}	3.74	3.21 ^{a-c}	3.78 ^{b-e}	2.83 ^{b-d}	4.46 ^{ab}	3.96 ^{b-d}	1.64 ^{ab}	2.43	1.03	2.96	2.17 ^{ab}
4056	13	x	3.52 ^{ab}	4.43 ^{a-c}	3.88	3.74 ^a	4.42 ^a	4.02 ^a	4.98 ^a	4.95 ^a	1.97 ^{ab}	2.40	1.89	2.75	2.85 ^{ab}
4558	23		3.37 ^{ab}	4.33 ^{a-c}	3.91	3.38 ^{ab}	--	--	--	--	1.88 ^{ab}	2.32	3.82	2.36	1.08 ^{ab}
4018	12	x	3.50 ^{ab}	4.65 ^{a-c}	4.14	2.83 ^{a-c}	3.80 ^{b-e}	2.95 ^{a-d}	4.41 ^{ab}	4.25 ^{a-d}	1.79 ^{ab}	2.26	0.94	4.19	2.29 ^{ab}
4861	29		3.12 ^{ab}	3.46 ^{a-c}	4.24	2.98 ^{a-c}	--	--	--	--	1.80 ^{ab}	1.64	1.48	1.89	2.48 ^{ab}
5162	43	x	3.67 ^{ab}	4.09 ^{a-c}	3.49	3.41 ^{ab}	4.32 ^{ab}	3.65 ^{a-c}	4.71 ^{ab}	4.52 ^{a-d}	1.94 ^{ab}	2.51	2.53	1.47	2.45 ^{ab}
7826	115		3.25 ^{ab}	4.05 ^{a-c}	3.67	3.52 ^{ab}	--	--	--	--	1.28 ^{ab}	2.19	0.83	1.87	2.95 ^{ab}
4182	15	x	3.61 ^{ab}	4.06 ^{a-c}	4.13	2.93 ^{a-c}	3.78 ^{b-e}	2.83 ^{b-d}	4.40 ^{ab}	4.15 ^{a-d}	2.28 ^{ab}	2.31	2.18	3.13	1.65 ^{ab}
5186	44		3.59 ^{ab}	4.51 ^{a-c}	4.19	3.22 ^{a-c}	--	--	--	--	2.07 ^{ab}	2.80	1.64	3.61	1.79 ^{ab}
8032	120	x	3.11 ^{ab}	3.77 ^{a-c}	3.05	3.00 ^{a-c}	3.60 ^{c-e}	2.05 ^{de}	4.29 ^{ab}	3.88 ^{b-d}	1.54 ^{ab}	1.85	2.69	1.87	2.33 ^{ab}
4442	21	x	3.71 ^{ab}	4.51 ^{a-c}	3.8	3.18 ^{a-c}	3.76 ^{b-e}	3.07 ^{a-d}	4.60 ^{ab}	4.43 ^{a-d}	2.21 ^{ab}	2.22	1.14	3.05	3.20 ^{ab}
4922	32		3.67 ^{ab}	4.59 ^{a-c}	3.63	2.71 ^{bc}	--	--	--	--	2.04 ^{ab}	2.25	1.94	2.62	2.22 ^{ab}
3688	1	x	3.14 ^{ab}	4.15 ^{a-c}	4.46	2.75 ^{a-c}	3.38 ^{c-e}	2.73 ^{b-d}	4.33 ^{ab}	4.02 ^{a-d}	1.25^{bc}	2.60	2.88	2.32	3.08 ^{ab}

Table S3, cont.

Line Name	Genotype ID	2010	Means Separation												
			GC_120 p7629 LEAF	GC_120 p10353 LEAF	GC_120 Sal10 LEAF	09FD_120 Loc1&2 STEM	10FD-early_83 Loc1 STEM	10FD-early_83 Loc2 STEM	10FD-late_83 Loc1 STEM	10FD-late_83 Loc2 STEM	GC_120 p7629 STEM	GC_120 p10353 STEM	GC-1_120 Sal10 STEM	GC-2_120 Sal10 STEM	GC-3_120 Sal10 STEM
4106	14	x	2.72 ^b	3.18 ^{a-c}	3.00	2.73 ^{a-c}	3.62 ^{c-e}	2.55 ^{cd}	4.35 ^{ab}	3.93 ^{b-d}	1.29 ^{bc}	1.33	1.88	2.54	1.44 ^{ab}
4925	33	x	3.44 ^{ab}	4.34 ^{a-c}	4.06	2.72 ^{a-c}	3.64 ^{c-e}	2.95 ^{a-d}	4.71 ^{ab}	4.46 ^{a-d}	1.84 ^{ab}	2.45	1.92	3.83	1.66 ^{ab}
4498	22	x	2.99 ^{ab}	3.16 ^{a-c}	3.38	3.16 ^{a-c}	3.72 ^{c-e}	2.17 ^{de}	4.58 ^{ab}	4.02 ^{a-d}	1.46 ^{ab}	1.72	0.62	2.50	1.62 ^{ab}
3723	2	x	3.44 ^{ab}	4.53 ^{a-c}	3.85	2.87 ^{a-c}	3.58 ^{c-e}	2.32 ^{de}	4.21 ^{ab}	3.73 ^d	1.78 ^{ab}	2.70	0.54	3.11	2.20 ^{ab}
4794	27	x	3.18 ^{ab}	4.13 ^{a-c}	4.49	2.84 ^{a-c}	3.39 ^{c-e}	2.42 ^{de}	4.52 ^{ab}	4.37 ^{a-d}	1.43 ^{ab}	2.67	1.69	3.36	2.73 ^{ab}
4802	28	x	3.66 ^{ab}	3.95 ^{a-c}	4.52	3.37 ^{ab}	3.90 ^{a-d}	2.95 ^{a-d}	4.63 ^{ab}	4.36 ^{a-d}	2.34 ^{ab}	2.59	1.92	3.12	3.71 ^a
5245	46	x	3.54 ^{ab}	4.47 ^{a-c}	3.83	2.95 ^{a-c}	3.48 ^{c-e}	2.37 ^{de}	4.27 ^{ab}	3.89 ^{b-d}	2.17 ^{ab}	2.07	2.57	2.06	1.97 ^{ab}
3740	3	x	3.58 ^{ab}	4.00 ^{a-c}	3.77	3.00 ^{a-c}	3.44 ^{c-e}	2.08 ^{de}	4.43 ^{ab}	3.70^d	2.05 ^{ab}	2.11	1.94	2.59	2.85 ^{ab}
5285	47	x	3.39 ^{ab}	3.99 ^{a-c}	4.23	3.27 ^{a-c}	3.84 ^{b-d}	3.15 ^{a-d}	4.60 ^{ab}	4.32 ^{a-d}	2.31 ^{ab}	2.43	1.73	2.89	3.12 ^{ab}
3765	4	x	3.42 ^{ab}	4.08 ^{a-c}	4.16	3.09 ^{a-c}	3.76 ^{b-e}	3.09 ^{a-d}	4.52 ^{ab}	4.12 ^{a-d}	2.05 ^{ab}	2.20	3.35	3.11	0.72 ^b
4897	31	x	3.42 ^{ab}	3.80 ^{a-c}	4.15	3.17 ^{a-c}	3.74 ^{c-e}	3.23 ^{a-d}	4.32 ^{ab}	3.98 ^{b-d}	1.98 ^{ab}	2.12	1.45	2.18	2.35 ^{ab}
5362	49	x	3.70 ^{ab}	4.02 ^{a-c}	3.86	3.27 ^{a-c}	3.66 ^{c-e}	2.93 ^{a-d}	4.43 ^{ab}	3.88 ^{b-d}	2.31 ^{ab}	2.12	2.42	3.60	1.03 ^b
4877	30	x	3.82 ^{ab}	4.12 ^{a-c}	3.74	2.93 ^{a-c}	3.79 ^{b-e}	2.53 ^{cd}	4.78 ^{ab}	4.53 ^{a-d}	2.05 ^{ab}	2.46	2.58	2.55	1.20 ^{ab}
8009	119	x	3.28 ^{ab}	4.55 ^{a-c}	3.72	3.25 ^{a-c}	3.64 ^{c-e}	2.78 ^{b-d}	4.49 ^{ab}	4.27 ^{a-d}	1.55 ^{ab}	2.94	1.47	3.62	2.14 ^{ab}
3814	5		3.53 ^{ab}	3.79 ^{a-c}	4.31	2.97 ^{a-c}	--	--	--	--	1.76 ^{ab}	1.54	1.93	3.18	1.81 ^{ab}
Means Separation			*	*	ns	*	*	*	*	*	*	ns	ns	ns	*

^a In Proc MIXED in SAS, means separation are calculated using both the difference between means and the number of replications for each entry. Therefore, letter rankings are not always contiguous.

A double dash (--) indicates that the line was not included in the experiment.

An asterisk (*) indicates significance at $P \leq 0.05$ and "ns" indicates not significant.