

Comparison of marker types, 31 tomato DNAs by 48 loci										
SNP previously confirmed?	type	primers	with TA496		without TA496		bp	marker	theta	
			# SNPs	# indels	# SNPs	# indels			w/TA496	wo/TA496
yes	EST-based, hypothetical	LeSNPprimer1	9	5	0	0	683	437_2	0.0033	0.0000
yes	EST-based, hypothetical	LeSNPprimer9b	10	0	2	0	656	2534_1	0.0038	0.0008
yes	EST-based, hypothetical	LeSNPprimer10	5	0	5	0	419	2325_3	0.0030	0.0030
yes	EST-based, hypothetical	LeSNPprimer25	2	0	0	0	150	220_1	0.0033	0.0000
yes	EST-based, hypothetical	LeSNPprimer30	5	1	1	1	198	2486_1	0.0063	0.0013
			31	6	8	1	2106			
yes	EST-based	LeSNPprimer13	1	0	1	0	147	1287_1	0.0017	0.0017
yes	EST-based	LeSNPprimer20	2	0	2	0	123	175_1	0.0040	0.0041
yes	EST-based	LeSNPprimer23	1	0	1	0	163	1909_2	0.0015	0.0015
yes	EST-based	LeSNPprimer28b	2	1	2	1	284	241_2	0.0017	0.0018
yes	EST-based	LeSNPprimer3	1	0	1	0	536	3300_2	0.0005	0.0005
yes	EST-based	LeSNPprimer35b	9	1	9	1	582	2875_4	0.0038	0.0039
yes	EST-based	LeSNPprimer40b	3	1	3	1	658	296_1	0.0011	0.0011
yes	EST-based	LeSNPprimer5	5	0	5	0	862	3155_3	0.0014	0.0015
yes	EST-based	LeSNPprimer6	1	0	1	0	377	1260_2	0.0007	0.0007
yes	EST-based	LeSNPprimer7	1	1	1	1	160	3332_3	0.0016	0.0016
			26	4	26	4	3892			
no	EST-based	LeSNPprimer4	1	0	1	0	445	4301_3	0.0006	0.0006
no	EST-based	LeSNPprimer14	0	0	0	0	248	1523_4	0.0000	0.0000
no	EST-based	LeSNPprimer16	0	0	0	0	142	1589_1	0.0000	0.0000
no	EST-based	LeSNPprimer17	0	0	0	0	149	1675_1	0.0000	0.0000
no	EST-based	LeSNPprimer19	3	0	3	0	232	1724_1	0.0032	0.0032
no	EST-based	LeSNPprimer21	5	1	5	1	727	1863_3	0.0017	0.0017
no	EST-based	LeSNPprimer24	3	0	3	0	249	2189_1	0.0030	0.0030
no	EST-based	LeSNPprimer27	0	0	0	0	141	2280_1	0.0000	0.0000
no	EST-based	LeSNPprimer32	0	0	0	0	127	2582_1	0.0000	0.0000
no	EST-based	LeSNPprimer33	1	0	1	0	153	2719_1	0.0016	0.0016
no	EST-based	LeSNPprimer34	16	3	16	3	657	2819_5	0.0060	0.0061
			29	4	29	4	3270			

not applicable	COSII	COS1	0	0	0	0	600		0.0000	0.0000
na	COSII	COS2	1	0	1	0	700		0.0004	0.0004
na	COSII	COS3	3	0	3	0	700		0.0011	0.0011
na	COSII	COS4	6	1	6	1	840		0.0018	0.0018
na	COSII	COS5	1	0	1	0	450		0.0006	0.0006
na	COSII	COS7	6	1	6	1	700		0.0021	0.0021
na	COSII	COS9	0	2	0	2	1210		0.0000	0.0000
na	COSII	COS10	9	2	9	2	320		0.0070	0.0070
na	COSII	COS11	2	1	2	1	750		0.0007	0.0007
na	COSII	COS12	5	3	3	2	900		0.0014	0.0008
na	COSII	COS13	0	2	0	2	200		0.0000	0.0000
			33	12	31	11	7370			
na	carotenoid/other	B	0	0	0	0	450		0.0000	0.0000
na	carotenoid/other	CRTISO	3	0	3	0	400		0.0019	0.0019
na	carotenoid/other	fw2.2	8	1	8	1	500		0.0040	0.0040
na	carotenoid/other	hp2_3'	1	1	1	1	500		0.0005	0.0005
na	carotenoid/other	hp2exon2	1	0	1	0	385		0.0006	0.0007
na	carotenoid/other	nor	2	1	2	1	800		0.0006	0.0006
na	carotenoid/other	pds	1	0	1	0	980		0.0003	0.0003
na	carotenoid/other	psy1	3	0	3	0	520		0.0014	0.0014
na	carotenoid/other	PTOX	5	2	5	2	475		0.0026	0.0026
na	carotenoid/other	rin	3	1	3	1	370		0.0020	0.0020
na	carotenoid/other	TG11	4	0	4	0	510		0.0019	0.0020
			31	6	31	6	5890			
		total	150	32	125	26	22528			
		proportion w/o TA496			83.33%	81.25%				
		EST-based	86	14	63	9	9268			
		proportion w/o TA496			73.26%	64.29%				
		COSII	33	12	31	11	7370			
		proportion w/o TA496			93.94%	91.67%				
		carotenoid/other	31	6	31	6	5890			
		proportion w/o TA496			100.00%	100.00%				