

**Table S3. Confidence intervals for distortion.** Calculations are based on a Monte Carlo algorithm: the 50,000x drawing of N virtual plants from the expected distribution per locus (Table S2). Drawings were independent per locus. The below reported values correspond to the 1/# loci confidence interval for significance, the is a set value (below) in the ranked bootstrap array. Mendelian segregation is provided for comparison only.

		S <sub>1</sub>	S <sub>1</sub>	S <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1s1</sub>	BC <sub>1s1</sub>	BC <sub>1s1</sub>		
		L. serriola	Hetero-zygous	L. sativa	L. serriola	Hetero-zygous	L. sativa	L. serriola	Hetero-zygous	L. sativa		
Mendelian	Co-dominant	0.25	0.5	0.25	0.5	0.5	-	0.625	0.25	0.125		
Mendelian	Dominant: <i>L. serriola</i> band	0.75	-	0.25	-	-	-	0.875	-	0.125		
Mendelian	Dominant: <i>L. sativa</i> band	0.25	-	0.75	0.5	-	0.5	0.625	-	0.375		
Number of valid loci per generation		220			158			211				
Number of valid plants tested (N)		92			91			90				
Resulting alpha (1/ #loci per generation) =		0.0045			0.0063			0.0047				
# value in ranked 50,000 bootstrap array		49773			49684			49764				
LG	cMorgan	Loci (incl band presence state)		Marker type								
1	4.1	E35/M59-F-127 (L. serriola)	AFLP	0.391	0.663	0.337	0.637	0.637	-	0.758	0.385	0.198
1	16.1	E45/M48-F-070 (L. sativa)	AFLP	0.348	0.652	0.380	0.604	0.670	-	0.725	0.407	0.242
1	16.3	C09C-CTT-013 (L. sativa)	SSAP	0.359	-	0.880	0.615	-	0.659	0.703	-	0.560
1	18	C09C-ACG-008 (L. serriola)	SSAP	0.913	-	0.304	-	-	-	0.989	-	0.143
1	28	NBS-33 (L. sativa)	NBS	0.402	-	0.848	0.659	-	0.615	0.791	-	0.462
1	28.7	E45/M48-F-295 (L. sativa)	AFLP	0.424	0.674	0.283	0.648	0.626	-	0.780	0.396	0.165
1	29.5	NBS-13 (L. serriola)	NBS	0.880	-	0.348	-	-	-	0.978	-	0.187
1	33.5	E44/M48-F-297 (L. sativa)	AFLP	0.391	0.685	0.304	0.615	0.648	-	0.747	0.418	0.187
1	40.9	E44/M48-F-109 (L. sativa)	AFLP	0.402	0.652	0.337	0.648	0.626	-	0.780	0.374	0.198
1	71	C09C-ATC-011 (L. sativa)	SSAP	0.500	-	0.761	0.758	-	0.505	0.923	-	0.286
1	78.8	E44/M48-F-114 (L. serriola)	AFLP	0.467	0.674	0.228	0.681	0.582	-	0.824	0.363	0.132
1	86.3	C09C-ATA-005 (L. serriola)	SSAP	0.946	-	0.250	-	-	-	1.000	-	0.099
1	97.3	E45/M48-F-297 (L. sativa)	AFLP	0.533	0.543	0.315	0.791	0.473	-	0.901	0.242	0.143
2	1.9	E45/M48-F-235 (L. serriola)	AFLP	0.402	0.641	0.348	0.659	0.615	-	0.780	0.363	0.198
2	13.2	NBS-23 (L. serriola)	NBS	0.880	-	0.359	-	-	-	0.967	-	0.198
2	17	C09C-ACT-012 (L. sativa)	SSAP	0.380	-	0.859	0.648	-	0.626	0.769	-	0.495
2	25	E35/M59-F-273 (L. sativa)	AFLP	0.424	0.576	0.391	0.703	0.571	-	0.813	0.308	0.209
2	32.4	NBS-30 (L. serriola)	NBS	0.826	-	0.424	-	-	-	0.923	-	0.286
2	39.6	E44/M48-F-147 (L. sativa)	AFLP	0.435	0.576	0.391	0.714	0.560	-	0.824	0.297	0.209
2	61.4	C09C-ACT-004 (L. serriola)	SSAP	0.859	-	0.380	-	-	-	0.956	-	0.231
2	62.4	C09C-ATC-010 (L. sativa)	SSAP	0.391	-	0.859	0.648	-	0.626	0.769	-	0.484
2	65.3	C09C-CTT-008 (L. serriola)	SSAP	0.880	-	0.348	-	-	-	0.967	-	0.198
2	67.4	C09C-ACG-014 (L. sativa)	SSAP	0.402	-	0.848	0.659	-	0.615	0.802	-	0.462
2	81.3	C09C-GTT-216 (L. serriola)	SSAP	0.902	-	0.326	-	-	-	0.989	-	0.165
2	90.5	C09C-CTG-319 (L. serriola)	SSAP	0.902	-	0.326	-	-	-	0.989	-	0.165
3	7.9	E44/M49-F-212 (L. sativa)	AFLP	0.326	0.674	0.370	0.571	0.703	-	0.681	0.440	0.253
3	8.8	NBS-01 (L. serriola)	NBS	0.837	-	0.402	-	-	-	0.934	-	0.264
3	11.6	E44/M49-F-082 (L. sativa)	AFLP	0.261	0.761	0.337	0.462	0.791	-	0.571	0.560	0.253
3	13.1	C09C-AAT-305 (L. serriola)	SSAP	0.891	-	0.337	-	-	-	0.978	-	0.176
3	18.8	C09C-CTG-328 (L. serriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
3	21.5	E45/M48-F-207 (L. serriola)	AFLP	0.326	0.630	0.435	0.582	0.681	-	0.692	0.396	0.275
3	24.2	C09C-CTA-600 (L. sativa)	SSAP	0.304	-	0.913	0.560	-	0.714	0.593	-	0.681
3	26.5	NBS-34 (L. sativa)	NBS	0.293	-	0.924	0.527	-	0.736	0.549	-	0.725
3	27.2	E35/M59-F-281 (L. serriola)	AFLP	0.283	0.663	0.435	0.538	0.736	-	0.637	0.451	0.297
3	29.7	C09C-CTA-325 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.736	0.560	-	0.714
3	37.1	E44/M49-F-479 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.220
3	44.9	E44/M49-F-362 (L. sativa)	AFLP	0.272	0.717	0.380	0.495	0.769	-	0.604	0.505	0.275
3	46.6	E45/M48-F-287 (L. serriola)	AFLP	0.196	0.674	0.489	0.407	0.846	-	0.484	0.527	0.385
3	47.1	NBS-18 (L. sativa)	NBS	0.272	-	0.935	0.505	-	0.758	0.495	-	0.769
3	50.8	C09C-ACG-011 (L. serriola)	SSAP	0.750	-	0.522	-	-	-	0.802	-	0.462
3	52	NBS-20 (L. serriola)	NBS	0.783	-	0.478	-	-	-	0.857	-	0.385
3	52.2	1A36-F-195 (L. sativa)	AFLP	0.174	0.685	0.500	0.363	0.879	-	0.429	0.560	0.418
3	52.4	1A31-F-107 (L. sativa)	AFLP	0.228	0.674	0.467	0.451	0.813	-	0.538	0.505	0.352
3	52.5	E35/M59-F-299 (L. sativa)	AFLP	0.228	0.674	0.467	0.451	0.802	-	0.538	0.505	0.352
3	53.1	C09C-CTA-142 (L. sativa)	SSAP	0.196	-	0.967	0.385	-	0.857	0.275	-	0.934
3	58.8	C09C-GTT-241 (L. serriola)	SSAP	0.826	-	0.435	-	-	-	0.912	-	0.308
3	72.5	1A31-F-122 (L. serriola)	AFLP	0.250	0.685	0.424	0.484	0.780	-	0.582	0.495	0.308
3	72.5	NBS-32 (L. serriola)	NBS	0.815	-	0.446	-	-	-	0.890	-	0.330
3	73.1	1A31-F-124 (L. serriola)	AFLP	0.250	0.685	0.446	0.484	0.769	-	0.582	0.484	0.319
3	83	NBS-35 (L. serriola)	NBS	0.761	-	0.500	-	-	-	0.824	-	0.440
3	87.8	C09C-GTG-070 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.736	0.560	-	0.714
3	89	C09C-ATA-006 (L. serriola)	SSAP	0.837	-	0.413	-	-	-	0.923	-	0.275
3	106.6	NBS-09 (L. sativa)	NBS	0.207	-	0.967	0.407	-	0.846	0.308	-	0.912
3	112.4	C09C-CTG-380 (L. serriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
3	117.2	E35/M59-F-193 (L. sativa)	AFLP	0.293	0.750	0.326	0.505	0.758	-	0.626	0.527	0.231
3	117.2	E35/M59-F-187 (L. serriola)	AFLP	0.261	0.739	0.359	0.473	0.791	-	0.571	0.549	0.264
3	125.1	1A31-F-347 (L. serriola)	AFLP	0.250	0.717	0.391	0.462	0.791	-	0.571	0.527	0.297
3	129.6	C09C-CTA-285 (L. sativa)	SSAP	0.272	-	0.935	0.495	-	0.769	0.484	-	0.780
3	130.2	C09C-TCC-181 (L. serriola)	SSAP	0.880	-	0.348	-	-	-	0.978	-	0.187
4	17.5	C09C-TCC-202 (L. sativa)	SSAP	0.413	-	0.837	0.681	-	0.593	0.813	-	0.440
4	25	C09C-GTT-148 (L. sativa)	SSAP	0.435	-	0.826	0.692	-	0.571	0.846	-	0.396
4	36.9	E35/M59-F-220 (L. sativa)	AFLP	0.380	0.652	0.359	0.626	0.637	-	0.747	0.385	0.220
4	49.1	E35/M59-F-276 (L. sativa)	AFLP	0.478	0.554	0.370	0.747	0.516	-	0.857	0.264	0.187
4	52.1	C09C-TCC-281 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.747	-	0.516
4	58.8	C09C-ATT-009 (L. sativa)	SSAP	0.348	-	0.880	0.604	-	0.670	0.692	-	0.582
4	60.8	C09C-ATT-010 (L. sativa)	SSAP	0.348	-	0.880	0.604	-	0.670	0.692	-	0.582
4	63.4	C09C-GTG-310 (L. sativa)	SSAP	0.337	-	0.891	0.582	-	0.681	0.659	-	0.615
4	75.8	E45/M48-F-071 (L. serriola)	AFLP	0.359	0.554	0.489	0.670	0.604	-	0.769	0.308	0.275
4	83.4	C09C-CTT-012 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.758	-	0.505
4	94.1	C09C-ACT-005 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.736	0.560	-	0.714
4	100.5	C09C-CTA-102 (L. sativa)	SSAP	0.228	-	0.957	0.429	-	0.824	0.363	-	0.879
4	102.9	C09C-CTC-001 (L. sativa)	SSAP	0.228	-	0.957	0.429	-	0.824	0.352	-	0.879
4	104.7	C09C-CTC-020 (L. sativa)	SSAP	0.196	-	0.967	0.385	-	0.857	0.275	-	0.934
4	106.7	C09C-CTC-021 (L. serriola)	SSAP	0.728	-	0.543	-	-	-	0.747	-	0.516
4	109.2	C09C-TCC-167 (L. serriola)	SSAP	0.783	-	0.467	-	-	-	0.868	-	0.374
4	112.2	1A31-F-259 (L. sativa)	AFLP	0.185	0.609	0.565	0.407	0.835	-	0.484	0.484	0.440
4	153.3	C09C-CTC-010 (L. serriola)	SSAP	0.891	-	0.337	-	-	-	0.978	-	0.176
4	157.8	1A36-F-250 (L. sativa)	AFLP	0.326	0.717	0.337	0.549	0.714	-	0.670	0.473	0.231
4	160.5	C09C-GTG-193 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.758	-	0.516

				S <sub>1</sub>	S <sub>1</sub>	S <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1S1</sub>	BC <sub>1S1</sub>	BC <sub>1S1</sub>
				L.seriola	Hetero-zygous	L. sativa	L.seriola	Hetero-zygous	L. sativa	L.seriola	Hetero-zygous	L. sativa
Mendelian	Co-dominant			0.25	0.5	0.25	0.5	0.5	-	0.625	0.25	0.125
Mendelian	Dominant: L. seriola band			0.75	-	0.25	-	-	-	0.375	-	0.125
Mendelian	Dominant: L. sativa band			0.25	-	0.75	0.5	-	0.5	0.625	-	0.375
Number of valid loci per generation					220			158			211	
Number of valid plants tested (N)					92			91			90	
Resulting alpha (1/ #loci per generation) =					0.0045			0.0063			0.0047	
# value in ranked 50,000 bootstrap array					49773			49684			49764	
LG	cMorgan	Loci (incl band presence state)	Marker type									
5	0	NBS-24 (L. seriola)	NBS	0.902	-	0.315	-	-	-	0.989	-	0.154
5	3.3	C09C-CTC-017 (L. sativa)	SSAP	0.413	-	0.837	0.670	-	0.593	0.813	-	0.440
5	8.3	C09C-ATC-006 (L. seriola)	SSAP	0.891	-	0.337	-	-	-	0.978	-	0.176
5	13.5	E44/M48-F-223 (L. seriola)	AFLP	0.424	0.663	0.293	0.659	0.615	-	0.791	0.374	0.176
5	18.8	C09C-CTC-004 (L. seriola)	SSAP	0.902	-	0.315	-	-	-	0.989	-	0.154
5	22.8	C09C-ACG-005 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
5	28.4	C09C-AAT-162 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
5	35.9	1A31-F-129 (L. seriola)	AFLP	0.435	0.587	0.370	0.703	0.560	-	0.824	0.308	0.198
5	43.7	1A31-F-224 (L. sativa)	AFLP	0.446	0.576	0.370	0.714	0.560	-	0.835	0.297	0.198
5	46	C09C-ATT-014 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
5	66	C09C-CTG-96 (L. sativa)	SSAP	0.391	-	0.848	0.648	-	0.626	0.780	-	0.484
5	66.6	C09C-ATC-005 (L. sativa)	SSAP	0.359	-	0.870	0.615	-	0.659	0.725	-	0.549
5	70.8	C09C-ATC-002 (L. seriola)	SSAP	0.848	-	0.402	-	-	-	0.945	-	0.253
5	72.6	C09C-ACG-013 (L. seriola)	SSAP	0.870	-	0.370	-	-	-	0.956	-	0.220
5	75.6	C09C-AAT-200 (L. sativa)	SSAP	0.424	-	0.826	0.692	-	0.582	0.835	-	0.407
5	78.5	C09C-ACT-009 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.736	0.560	-	0.714
5	84.6	C09C-AAT-172 (L. sativa)	SSAP	0.304	-	0.913	0.580	-	0.714	0.593	-	0.681
5	86.7	1A36-F-160 (L. seriola)	AFLP	0.348	0.663	0.370	0.593	0.681	-	0.714	0.418	0.231
5	107.9	E44/M49-F-316 (L. seriola)	AFLP	0.207	0.685	0.478	0.429	0.824	-	0.516	0.516	0.363
5	109.6	E45/M48-F-127 (L. seriola)	AFLP	0.261	0.554	0.554	0.560	0.703	-	0.648	0.363	0.363
5	110.3	E35/M59-F-129 (L. seriola)	AFLP	0.315	0.630	0.446	0.582	0.692	-	0.681	0.407	0.286
5	111	C09C-GTG-111 (L. sativa)	SSAP	0.304	-	0.913	0.560	-	0.714	0.593	-	0.681
5	111.5	C09C-GTT-213 (L. seriola)	SSAP	0.848	-	0.402	-	-	-	0.934	-	0.264
5	112.8	C09C-CTG-178 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.725	0.560	-	0.714
5	117.3	E35/M59-F-270 (L. sativa)	AFLP	0.391	0.641	0.370	0.648	0.626	-	0.758	0.374	0.220
5	120.1	NBS-10 (L. sativa)	NBS	0.315	-	0.902	0.560	-	0.714	0.604	-	0.670
5	126.2	E35/M59-F-178 (L. seriola)	AFLP	0.370	0.543	0.489	0.670	0.593	-	0.780	0.308	0.264
5	126.5	E35/M59-F-182 (L. sativa)	AFLP	0.370	0.533	0.511	0.681	0.582	-	0.780	0.286	0.275
5	129	NBS-22 (L. seriola)	NBS	0.728	-	0.533	-	-	-	0.758	-	0.505
5	131.5	C09C-AAT-431 (L. sativa)	SSAP	0.207	-	0.967	0.407	-	0.835	0.319	-	0.912
5	133.2	1A36-F-156 (L. seriola)	AFLP	0.380	0.522	0.489	0.703	0.571	-	0.802	0.286	0.264
5	134.3	NBS26 (L. sativa)	NBS	0.359	-	0.870	0.615	-	0.659	0.714	-	0.560
5	140.2	C09C-AAT-340 (L. seriola)	SSAP	0.859	-	0.380	-	-	-	0.956	-	0.242
5	163.9	E35/M59-F-198 (L. sativa)	AFLP	0.370	0.652	0.370	0.626	0.648	-	0.747	0.396	0.220
6	7.1	NBS-07 (L. seriola)	NBS	0.859	-	0.380	-	-	-	0.956	-	0.231
6	7.8	1A36-F-304 (L. sativa)	AFLP	0.359	0.663	0.370	0.604	0.670	-	0.725	0.407	0.231
6	11.7	C09C-ATT-013 (L. sativa)	SSAP	0.293	-	0.913	0.538	-	0.736	0.560	-	0.714
6	40	C09C-ACG-004 (L. seriola)	SSAP	0.815	-	0.435	-	-	-	0.912	-	0.319
6	43.4	C09C-AAG-005 (L. seriola)	SSAP	0.870	-	0.370	-	-	-	0.956	-	0.220
6	45.1	E35/M59-F-217 (L. sativa)	AFLP	0.402	0.641	0.348	0.648	0.626	-	0.780	0.374	0.198
6	45.7	C09C-ATT-005 (L. sativa)	SSAP	0.326	-	0.902	0.571	-	0.703	0.626	-	0.648
6	53.7	C09C-ACG-012 (L. sativa)	SSAP	0.413	-	0.837	0.670	-	0.593	0.824	-	0.429
6	55.6	C09C-AAG-008 (L. sativa)	SSAP	0.402	-	0.837	0.670	-	0.604	0.813	-	0.451
6	56.6	C09C-CTT-006 (L. sativa)	SSAP	0.435	-	0.826	0.692	-	0.571	0.846	-	0.396
6	71.6	E35/M59-F-103 (L. sativa)	AFLP	0.478	0.587	0.315	0.736	0.538	-	0.857	0.297	0.165
6	82.8	C09C-CTC-008 (L. sativa)	SSAP	0.435	-	0.826	0.692	-	0.582	0.846	-	0.396
6	82.9	C09C-CTA-253 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
7	3.8	C09C-GTT-155 (L. seriola)	SSAP	0.891	-	0.337	-	-	-	0.978	-	0.187
7	4.3	C09C-CTA-406 (L. seriola)	SSAP	0.902	-	0.315	-	-	-	0.989	-	0.154
7	6.3	C09C-ATA-004 (L. sativa)	SSAP	0.337	-	0.891	0.593	-	0.681	0.670	-	0.604
7	14.2	E44/M49-F-248 (L. sativa)	AFLP	0.391	0.652	0.337	0.637	0.626	-	0.769	0.385	0.198
7	15.3	1A36-F-171 (L. sativa)	AFLP	0.380	0.652	0.359	0.626	0.648	-	0.758	0.385	0.220
7	15.6	C09C-ACG-002 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
7	15.9	E45/M48-F-142 (L. sativa)	AFLP	0.391	0.641	0.359	0.637	0.637	-	0.769	0.374	0.209
7	17.7	C09C-ACT-010 (L. seriola)	SSAP	0.891	-	0.326	-	-	-	0.978	-	0.176
7	25.6	C09C-AAT-098 (L. sativa)	SSAP	0.359	-	0.870	0.615	-	0.659	0.725	-	0.549
7	30.9	C09C-AAG-007 (L. sativa)	SSAP	0.337	-	0.891	0.582	-	0.681	0.659	-	0.615
7	40.4	C09C-ACT-013 (L. seriola)	SSAP	0.880	-	0.348	-	-	-	0.978	-	0.187
7	42.1	NBS-04 (L. sativa)	NBS	0.380	-	0.859	0.648	-	0.626	0.769	-	0.495
7	43.5	NBS-16 (L. sativa)	NBS	0.370	-	0.870	0.626	-	0.648	0.747	-	0.527
7	50.6	C09C-CTG-112 (L. seriola)	SSAP	0.870	-	0.359	-	-	-	0.967	-	0.209
7	60.5	C09C-ACT-006 (L. seriola)	SSAP	0.913	-	0.304	-	-	-	0.989	-	0.143
7	61.6	1A31-F-170 (L. seriola)	AFLP	0.283	0.728	0.359	0.505	0.758	-	0.615	0.505	0.253
7	63.2	E35/M59-F-101 (L. seriola)	AFLP	0.217	0.696	0.457	0.440	0.824	-	0.527	0.527	0.341
7	66.8	C09C-CTT-002 (L. seriola)	SSAP	0.880	-	0.359	-	-	-	0.967	-	0.198
7	68.6	C09C-ACT-001 (L. seriola)	SSAP	0.859	-	0.380	-	-	-	0.956	-	0.231
7	90.7	1A36-F-223 (L. sativa)	AFLP	0.337	0.696	0.348	0.571	0.703	-	0.681	0.451	0.231
7	97	C09C-ATA-009 (L. seriola)	SSAP	0.891	-	0.337	-	-	-	0.978	-	0.187
8	0	C09C-GTT-270 (L. sativa)	SSAP	0.391	-	0.848	0.659	-	0.615	0.791	-	0.473
8	0.5	C09C-CTC-014 (L. seriola)	SSAP	0.913	-	0.293	-	-	-	0.989	-	0.132
8	5.1	NBS-11 (L. seriola)	NBS	0.880	-	0.337	-	-	-	0.978	-	0.187
8	9.5	E45/M48-F-067 (L. seriola)	AFLP	0.348	0.609	0.435	0.626	0.648	-	0.736	0.363	0.264
8	18.4	E44/M49-F-262 (L. sativa)	AFLP	0.413	0.620	0.359	0.681	0.593	-	0.802	0.341	0.198
8	25.6	NBS-08 (L. seriola)	NBS	0.891	-	0.337	-	-	-	0.978	-	0.176
8	31.5	C09C-CTC-005 (L. sativa)	SSAP	0.413	-	0.837	0.681	-	0.593	0.813	-	0.440
8	57.4	C09C-ATC-009 (L. seriola)	SSAP	0.913	-	0.293	-	-	-	0.989	-	0.132
8	57.9	E35/M59-F-153 (L. sativa)	AFLP	0.435	0.663	0.283	0.670	0.604	-	0.791	0.374	0.165
8	60.8	1A36-F-127 (L. sativa)	AFLP	0.413	0.728	0.217	0.626	0.648	-	0.758	0.440	0.132
8	64.2	C09C-CTG-370 (L. sativa)	SSAP	0.359	-	0.880	0.604	-	0.670	0.703	-	0.571
8	72.1	1A31-F-146 (L. seriola)	AFLP	0.413	0.674	0.283	0.648	0.626	-	0.780	0.396	0.165
8	79.3	C09C-ATT-004 (L. seriola)	SSAP	0.935	-	0.272	-	-	-	1.000	-	0.110
8	80.6	E44/M48-F-141 (L. sativa)	AFLP	0.391	0.717	0.261	0.604	0.670	-	0.736	0.451	0.165
8	90.2	C09C-CTC-012 (L. sativa)	SSAP	0.391	-	0.848	0.648	-	0.626	0.780	-	0.484
8	128.2	1A36-F-323 (L. sativa)	AFLP	0.413	0.685	0.283	0.637					

		S <sub>1</sub>	S <sub>1</sub>	S <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1</sub>	BC <sub>1S1</sub>	BC <sub>1S1</sub>	BC <sub>1S1</sub>		
		L.seriola	Hetero-zygous	L. sativa	L.seriola	Hetero-zygous	L. sativa	L.seriola	Hetero-zygous	L. sativa		
Mendelian	Co-dominant	0.25	0.5	0.25	0.5	0.5	-	0.625	0.25	0.125		
Mendelian	Dominant: L. seriola band	0.75	-	0.25	-	-	-	0.375	-	0.125		
Mendelian	Dominant: L. sativa band	0.25	-	0.75	0.5	-	0.5	0.625	-	0.375		
Number of valid loci per generation		220			158			211				
Number of valid plants tested (N)		92			91			90				
Resulting alpha (1/ #loci per generation) =		0.0045			0.0063			0.0047				
# value in ranked 50,000 bootstrap array		49773			49684			49764				
LG	cMorgan	Loci (incl band presence state)	Marker type									
8	143.3	E44/M48-F-192 (L. sativa)	AFLP	0.337	0.696	0.348	0.571	0.703	-	0.692	0.451	0.231
9	0	NBS-02 (L. seriola)	NBS	0.935	-	0.272	-	-	-	1.000	-	0.110
9	20.3	C09C-GTG-151 (L. seriola)	SSAP	0.837	-	0.413	-	-	-	0.934	-	0.275
9	24.4	C09C-AAG-003 (L. sativa)	SSAP	0.435	-	0.815	0.703	-	0.571	0.857	-	0.385
9	28.1	C09C-ACT-015 (L. sativa)	SSAP	0.413	-	0.837	0.670	-	0.604	0.824	-	0.440
9	36.5	C09C-ATC-008 (L. sativa)	SSAP	0.402	-	0.848	0.659	-	0.615	0.791	-	0.462
9	46.4	1A36-F-189 (L. sativa)	AFLP	0.435	0.630	0.326	0.681	0.582	-	0.813	0.341	0.176
9	49.5	C09C-CTC-002 (L. sativa)	SSAP	0.467	-	0.793	0.725	-	0.538	0.890	-	0.341
9	53.1	C09C-ATC-001 (L. sativa)	SSAP	0.446	-	0.815	0.714	-	0.560	0.868	-	0.374
9	60.7	E44/M49-F-175 (L. seriola)	AFLP	0.380	0.652	0.348	0.637	0.637	-	0.747	0.385	0.209
9	81.4	C09C-CTA-098 (L. seriola)	SSAP	0.848	-	0.391	-	-	-	0.945	-	0.253
9	92.6	C09C-CTT-007 (L. sativa)	SSAP	0.283	-	0.924	0.527	-	0.747	0.538	-	0.736
9	95.6	1A31-F-176 (L. seriola)	AFLP	0.261	0.696	0.413	0.495	0.769	-	0.593	0.495	0.297
9	100.2	NBS-19 (L. sativa)	NBS	0.359	-	0.870	0.615	-	0.659	0.725	-	0.549
9	102.5	NBS-25 (L. seriola)	NBS	0.859	-	0.380	-	-	-	0.956	-	0.231
9	106.1	C09C-TCC-123 (L. seriola)	SSAP	0.946	-	0.239	-	-	-	1.000	-	0.088
9	108.1	E35/M59-F-183 (L. sativa)	AFLP	0.348	0.739	0.272	0.560	0.714	-	0.681	0.484	0.187
9	113.1	E35/M59-F-096 (L. sativa)	AFLP	0.359	0.652	0.380	0.615	0.659	-	0.736	0.396	0.242
9	122.5	C09C-ATA-007 (L. sativa)	SSAP	0.326	-	0.902	0.571	-	0.692	0.637	-	0.637
9	127.7	C09C-AAG-004 (L. seriola)	SSAP	0.859	-	0.380	-	-	-	0.956	-	0.231
9	133.4	C09C-ACT-007 (L. sativa)	SSAP	0.315	-	0.902	0.549	-	0.714	0.593	-	0.681
9	137	C09C-ACT-002 (L. seriola)	SSAP	0.815	-	0.435	-	-	-	0.912	-	0.308
u	u	C09C-ATT-011 (L. sativa)	SSAP	0.337	-	0.891	0.582	-	0.681	0.659	-	0.615
u	u	E44/M48-F-212 (L. seriola)	AFLP	0.348	0.598	0.457	0.626	0.648	-	0.736	0.363	0.275
u	u	1A31-F-074 (L. sativa)	AFLP	0.359	0.587	0.446	0.648	0.626	-	0.747	0.341	0.264
u	u	1A31-F-244 (L. sativa)	AFLP	0.391	0.685	0.293	0.626	0.648	-	0.758	0.418	0.187
u	u	1A31-F-323 (L. sativa)	AFLP	0.380	0.641	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	1A31-F-402 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.231
u	u	1A36-F-148 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	1A36-F-246 (L. sativa)	AFLP	0.500	0.511	0.380	0.791	0.473	-	0.890	0.231	0.176
u	u	1A36-F-299 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	1A36-Fb-126.70 (L. sativa)	AFLP	0.380	0.641	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	E35/M59-F-086 (L. sativa)	AFLP	0.380	0.630	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	E35/M59-F-204 (L. sativa)	AFLP	0.380	0.630	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	E35/M59-F-212 (L. sativa)	AFLP	0.315	0.674	0.380	0.560	0.703	-	0.670	0.440	0.253
u	u	E44/M48-F-328 (L. sativa)	AFLP	0.315	0.685	0.380	0.549	0.714	-	0.670	0.462	0.253
u	u	E44/M48-F-403 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	E44/M49-F-231 (L. sativa)	AFLP	0.380	0.630	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	E44/M49-F-250 (L. sativa)	AFLP	0.380	0.641	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	E44/M49-F-337 (L. sativa)	AFLP	0.370	0.674	0.337	0.604	0.670	-	0.725	0.418	0.209
u	u	E45/M48-F-084 (L. sativa)	AFLP	0.380	0.630	0.370	0.374	0.857	-	0.758	0.374	0.220
u	u	E45/M48-F-103 (L. sativa)	AFLP	0.370	0.685	0.315	0.604	0.670	-	0.725	0.429	0.198
u	u	E45/M48-F-140 (L. sativa)	AFLP	0.391	0.641	0.359	0.648	0.626	-	0.769	0.374	0.209
u	u	E45/M48-F-146 (L. sativa)	AFLP	0.380	0.630	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	E45/M48-F-159 (L. sativa)	AFLP	0.380	0.641	0.380	0.637	0.637	-	0.758	0.374	0.220
u	u	1A36-F-434 (L. seriola)	AFLP	0.380	0.630	0.370	0.637	0.637	-	0.758	0.374	0.231
u	u	E44/M49-F-150 (L. seriola)	AFLP	0.380	0.641	0.370	0.637	0.637	-	0.758	0.374	0.220
u	u	E44/M49-F-447 (L. seriola)	AFLP	0.380	0.641	0.370	0.637	0.637	-	0.758	0.374	0.231
u	u	NBS-03 (L. sativa)	NBS	0.337	-	0.891	0.593	-	0.692	0.659	-	0.615
u	u	NBS-05 (L. sativa)	NBS	0.359	-	0.870	0.615	-	0.659	0.714	-	0.560
u	u	NBS-27 (L. sativa)	NBS	0.478	-	0.783	0.747	-	0.527	0.912	-	0.308
u	u	NBS-36 (L. sativa)	NBS	0.707	-	0.554	0.912	-	0.308	1.000	-	0.088
u	u	NBS37 (L. sativa)	NBS	0.761	-	0.500	0.934	-	0.275	1.000	-	0.077
u	u	C09C-AAT-097 (L. sativa)	SSAP	0.239	-	0.946	0.451	-	0.802	0.396	-	0.846
u	u	C09C-AAT-153 (L. sativa)	SSAP	0.402	-	0.848	0.659	-	0.604	0.802	-	0.462
u	u	C09C-AAT-180 (L. sativa)	SSAP	0.261	-	0.946	0.473	-	0.791	0.440	-	0.813
u	u	C09C-AAT-208 (L. sativa)	SSAP	0.141	-	0.989	0.297	-	0.923	0.154	-	0.989
u	u	C09C-ATA-003 (L. sativa)	SSAP	0.391	-	0.848	0.648	-	0.626	0.780	-	0.484
u	u	C09C-ATT-001 (L. sativa)	SSAP	0.435	-	0.815	0.703	-	0.571	0.857	-	0.385
u	u	C09C-CTT-003 (L. sativa)	SSAP	0.359	-	0.880	0.615	-	0.659	0.703	-	0.571
u	u	C09C-CTT-009 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.626	0.758	-	0.505
u	u	C09C-GTG-700 (L. sativa)	SSAP	0.326	-	0.902	0.571	-	0.692	0.637	-	0.637
u	u	C09C-GTT-238 (L. sativa)	SSAP	0.348	-	0.891	0.593	-	0.681	0.681	-	0.593
u	u	C09-C-GTT-440 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.758	-	0.516
u	u	C09C-TCC-088 (L. sativa)	SSAP	0.326	-	0.902	0.571	-	0.703	0.626	-	0.648
u	u	C09C-TCC-146 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.758	-	0.516
u	u	C09C-TCC-199 (L. sativa)	SSAP	0.348	-	0.880	0.604	-	0.670	0.692	-	0.582
u	u	C09C-TCC-640 (L. sativa)	SSAP	0.380	-	0.859	0.637	-	0.637	0.758	-	0.516