

Table S7 Information of loci associated with 18 phenotypic traits using the GLM model (P<0.01)

Trait	Marker	Pos	marker_F	p	marker_Rsq	marker_df	marker_MS	error_df	error_MS	model_df	model_MS
FL	Elw5627s404	loci5	7.18604	0.00797	0.02153	1	1525.0732	197	212.22735	2	14520.172
FL	Ps433	loci1	10.93178	0.00112	0.03216	1	2278.2282	197	208.40422	2	14896.75
FL	PsElw5616s39 38	loci8	8.70211	0.00356	0.02587	1	1833.2143	197	210.66318	2	14674.243
FL	Ps3577	loci7	11.29616	9.33E-04	0.03317	1	2350.0492	197	208.03965	2	14932.66
FL	Elw3592s195	loci4	14.25458	2.11E-04	0.04127	1	2923.9885	197	205.12625	2	15219.63
FL	Ltc0157	loci5	8.95322	0.00312	0.02659	1	1883.8131	197	210.40633	2	14699.542
FL	Ltc0157	loci6	8.45354	0.00406	0.02517	1	1783.0047	197	210.91805	2	14649.138
FW	Elw5627s404	loci3	7.07314	0.00847	0.02344	1	9.21459	197	1.30276	2	68.19952
FW	Elw5627s404	loci6	7.99563	0.00517	0.02638	1	10.3695	197	1.2969	2	68.77697
FW	Elw5627s404	loci7	9.50977	0.00234	0.03115	1	12.24276	197	1.28739	2	69.7136
FW	Elw5627s404	loci8	8.0945	0.00491	0.0267	1	10.49266	197	1.29627	2	68.83855
FW	Elw5627s404	loci1 1	16.02208	8.86E-05	0.05088	1	19.99604	197	1.24803	2	73.59024
FW	Ps433	loci7	9.54201	0.0023	0.03125	1	12.28234	197	1.28719	2	69.73339
FW	Ps433	loci8	9.02475	0.00301	0.02963	1	11.6457	197	1.29042	2	69.41507
FW	PsElw5616s39 38	loci7	22.58442	3.87E-06	0.06957	1	27.34368	197	1.21073	2	77.26406
FW	PsElw5616s39 38	loci8	8.48449	0.004	0.02793	1	10.97733	197	1.29381	2	69.08088
FW	Elw5627s404 7	loci7	26.04158	7.84E-07	0.07898	1	31.04067	197	1.19197	2	79.11256
FW	Ps261	loci2	15.4913	1.15E-04	0.04931	1	19.38189	197	1.25115	2	73.28317
FW	Ps569	loci7	10.85252	0.00117	0.03532	1	13.88114	197	1.27907	2	70.53279

FW	Ps569	loci8	10.85252	0.00117	0.03532	1	13.88114	197	1.27907	2	70.53279
FW	Elw3592s195	loci4	14.79874	1.61E-04	0.04726	1	18.57595	197	1.25524	2	72.88019
FW	Elw3592s195	loci5	34.60058	1.71E-08	0.10105	1	39.71855	197	1.14792	2	83.45149
FW	Ltc0121	loci3	9.99775	0.00182	0.03267	1	12.84063	197	1.28435	2	70.01254
FW	Ltc0121	loci4	9.99775	0.00182	0.03267	1	12.84063	197	1.28435	2	70.01254
FW	Ltc0121	loci5	11.48849	8.46E-04	0.03727	1	14.64976	197	1.27517	2	70.9171
FW	Ltc0129	loci1	10.92645	0.00113	0.03555	1	13.97073	197	1.27862	2	70.57758
FW	Ltc0157	loci3	10.18551	0.00165	0.03325	1	13.06992	197	1.28319	2	70.12718
FW	Ltc0157	loci5	8.12351	0.00483	0.02679	1	10.52877	197	1.29609	2	68.85661
FW	Ltc0157	loci7	7.06631	0.0085	0.02342	1	9.206	197	1.3028	2	68.19522
SLL	Ps433	loci8	6.98084	0.0089	0.03104	1	2043.6685	197	292.75398	2	4081.9064
SLL	PsElw5616s39 38	loci4	7.2607	0.00766	0.03224	1	2122.6858	197	292.35288	2	4Ltc0121.41 501
SLL	Elw3592s195	loci5	6.9168	0.00921	0.03077	1	2025.5575	197	292.84592	2	4072.8509
SLL	Ltc0121	loci5	6.9072	0.00926	0.03073	1	2022.8409	197	292.85971	2	4071.4926
SLL	Ltc0157	loci7	10.82152	0.00119	0.04723	1	3109.4957	197	287.34369	2	4614.82
SLW	Elw5627s404	loci8	10.29352	0.00156	0.04054	1	11.3532	197	1.10295	2	31.3757
SLW	Elw5627s404	loci1 1	13.75358	2.71E-04	0.05328	1	14.92042	197	1.08484	2	33.15931
SLW	Ps433	loci3	10.46064	0.00143	0.04117	1	11.52823	197	1.10206	2	31.46321
SLW	Ps433	loci7	23.96227	2.04E-06	0.08854	1	24.79419	197	1.03472	2	38.09619
SLW	Ps433	loci8	23.24285	2.85E-06	0.08616	1	24.12835	197	1.0381	2	37.76327
SLW	PsElw5616s39 38	loci7	10.54562	0.00137	0.04149	1	11.61713	197	1.10161	2	31.50766
SLW	Elw5627s404 7	loci7	8.29477	0.00442	0.03299	1	9.23775	197	1.11368	2	30.31797

SLW	Ps261	loci2	13.25464	3.47E-04	0.05147	1	14.41327	197	1.08741	2	32.90573
SLW	Ps569	loci7	12.00249	6.52E-04	0.04689	1	13.12985	197	1.09393	2	32.26402
SLW	Ps569	loci8	12.00249	6.52E-04	0.04689	1	13.12985	197	1.09393	2	32.26402
SLW	Elw3592s195	loci5	22.19688	4.64E-06	0.08268	1	23.15249	197	1.04305	2	37.27534
SLW	Elw3592s195	loci6	10.2693	0.00158	0.04045	1	11.32781	197	1.10308	2	31.363
SLW	Ltc0121	loci3	19.5618	1.61E-05	0.07375	1	20.65223	197	1.05574	2	36.02521
SLW	Ltc0121	loci4	19.5618	1.61E-05	0.07375	1	20.65223	197	1.05574	2	36.02521
SLW	Ltc0121	loci5	8.47536	0.00401	0.03368	1	9.43058	197	1.11271	2	30.41439
SLW	Ltc0157	loci3	28.95266	2.09E-07	0.10462	1	29.29619	197	1.01187	2	40.34719
SLW	Ltc0157	loci7	15.44413	1.18E-04	0.05935	1	16.62106	197	1.07621	2	34.00963
SD	Elw5627s404 7	loci1	9.56204	0.00227	0.04106	1	0.69679	197	0.07287	2	1.30807
SD	Elw5627s404 7	loci2	9.56204	0.00227	0.04106	1	0.69679	197	0.07287	2	1.30807
SD	Elw5627s404 7	loci9	8.77975	0.00342	0.03784	1	0.64222	197	0.07315	2	1.28078
SD	Ps261	loci2	11.58117	8.07E-04	0.04924	1	0.83576	197	0.07217	2	1.37755
SD	Ps569	loci4	7.05258	0.00856	0.03065	1	0.52025	197	0.07377	2	1.21979
SD	Elw1420s081	loci1	11.75078	7.40E-04	0.04992	1	0.84731	197	0.07211	2	1.38333
IN	Elw5627s404	loci7	9.10752	0.00288	0.03232	1	0.63642	197	0.06988	2	2.96128
IN	Elw5627s404	loci9	7.51031	0.0067	0.02686	1	0.52891	197	0.07042	2	2.90752
IN	Ps433	loci7	26.54275	6.24E-07	0.08686	1	1.7101	197	0.06443	2	3.49812
IN	Ps433	loci8	25.71642	9.10E-07	0.08447	1	1.66301	197	0.06467	2	3.47457
IN	PsElw5616s39 38	loci7	9.62478	0.0022	0.03407	1	0.67088	197	0.0697	2	2.97851
IN	Elw3592s195	loci5	40.81683	1.18E-09	0.12555	1	2.47191	197	0.06056	2	3.87902

IN	Elw3592s195	loci6	18.47159	2.71E-05	0.06271	1	1.23467	197	0.06684	2	3.2604
IN	Ltc0121	loci3	18.76796	2.35E-05	0.06363	1	1.25275	197	0.06675	2	3.26945
IN	Ltc0121	loci4	18.76796	2.35E-05	0.06363	1	1.25275	197	0.06675	2	3.26945
IN	Ltc0121	loci5	17.74881	3.83E-05	0.06046	1	1.19035	197	0.06707	2	3.23824
IN	Ltc0129	loci1	8.35151	0.00429	0.02975	1	0.58574	197	0.07014	2	2.93594
IN	Ltc0157	loci4	8.19925	0.00464	0.02923	1	0.57549	197	0.07019	2	2.93081
IN	Ltc0157	loci7	16.72632	6.29E-05	0.05725	1	1.12714	197	0.06739	2	3.20664
SN	Ps433	loci3	18.93375	2.17E-05	0.08173	1	421.35831	197	22.25435	2	385.78975
SN	PsElw5616s39 38	loci1	9.31587	0.00259	0.04209	1	216.98328	197	23.29179	2	283.60223
SN	PsElw5616s39 38	loci2	9.31587	0.00259	0.04209	1	216.98328	197	23.29179	2	283.60223
SN	PsElw5616s39 38	loci3	9.31587	0.00259	0.04209	1	216.98328	197	23.29179	2	283.60223
SN	PsElw5616s39 38	loci4	11.70228	7.59E-04	0.05226	1	269.45045	197	23.02546	2	309.83582
SN	PsElw5616s39 38	loci5	9.31587	0.00259	0.04209	1	216.98328	197	23.29179	2	283.60223
SN	PsElw5616s39 38	lcoi7	10.33476	0.00153	0.04646	1	239.532	197	23.17733	2	294.87659
SN	Elw5627s404 7	loci1	12.58754	4.85E-04	0.05598	1	288.60972	197	22.9282	2	319.41545
SN	Elw5627s404 7	loci2	12.58754	4.85E-04	0.05598	1	288.60972	197	22.9282	2	319.41545
SN	Elw5627s404 7	loci5	13.90857	2.51E-04	0.06147	1	316.90115	197	22.78459	2	333.56116

SN	Ps569	loci7	9.31646	0.00258	0.04209	1	216.99634	197	23.29172	2	283.60876
SN	Ps569	loci8	9.31646	0.00258	0.04209	1	216.99634	197	23.29172	2	283.60876
SN	Ps3577	loci3	16.83961	5.95E-05	0.0734	1	378.42451	197	22.47229	2	364.32285
SN	Elw3592s195	loci5	9.29798	0.00261	0.04201	1	216.58547	197	23.29381	2	283.40332
SN	Ltc0129	loci3	8.34229	0.00431	0.03787	1	195.22805	197	23.40222	2	272.72461
SN	Ltc0129	loci4	7.78235	0.00579	0.03542	1	182.62228	197	23.46621	2	266.42173
SN	Ltc0157	loci3	13.24893	3.48E-04	0.05873	1	302.81856	197	22.85608	2	326.51987
FN	PsElw5616s39 38	loci7	10.42326	0.00146	0.04778	1	6.32309	197	0.60663	2	6.41306
FN	Ps261	loci3	8.16577	0.00473	0.03784	1	5.00813	197	0.61331	2	5.75558
FN	Ps569	loci7	12.17083	5.99E-04	0.05533	1	7.32154	197	0.60156	2	6.91229
FN	Ps569	loci8	12.17083	5.99E-04	0.05533	1	7.32154	197	0.60156	2	6.91229
FN	Elw3592s195	loci4	11.96019	6.66E-04	0.05442	1	7.20208	197	0.60217	2	6.85256
FN	Ltc0129	loci1	13.67931	2.81E-04	0.06174	1	8.17007	197	0.59726	2	7.33655
FN	Ltc0129	loci4	14.78705	1.62E-04	0.06639	1	8.78548	197	0.59413	2	7.64426
EL	Elw3592s195	loci2	11.35661	9.05E-04	0.05186	1	37.84636	197	3.33254	2	36.65666
EL	Ltc0129	loci2	20.40907	1.08E-05	0.08931	1	65.18209	197	3.19378	2	50.32453
PH	Elw5627s404	loci4	11.1306	0.00101	0.04604	1	870.6411	197	78.22047	2	1751.5306
PH	Elw5627s404 7	loci5	6.92636	0.00917	0.02924	1	552.95265	197	79.8331	2	1592.6864
PH	Ps261	loci3	10.39498	0.00148	0.04315	1	815.9843	197	78.49792	2	1724.2022
PH	Elw3592s195	loci6	7.23688	0.00776	0.0305	1	576.86383	197	79.71173	2	1604.6419
PH	Ltc0129	loci1	7.90148	0.00544	0.03319	1	627.79768	197	79.45318	2	1630.1089
PH	Ltc0129	loci4	11.62951	7.87E-04	0.04798	1	907.49078	197	78.03342	2	1769.9554
TN	PsElw5616s39 38	loci7	7.94813	0.00531	0.03786	1	1346.2905	197	169.38456	2	1096.5819

TN	Ltc0157	loci4	15.95697	9.15E-05	0.07315	1	2601.2155	197	163.01439	2	1724.0443
BTS	Elw5627s404	loci8	7.54307	0.00658	0.03201	1	992.40938	197	131.56576	2	2541.1481
BTS	Ps433	loci6	11.74236	7.44E-04	0.04883	1	1513.8137	197	128.91903	2	2801.8503
BTS	Elw5627s404 7	loci4	14.27826	2.09E-04	0.05866	1	1818.6453	197	127.37166	2	2954.2661
BTS	Elw5627s404 7	loci5	9.92201	0.00189	0.04162	1	1290.3884	197	130.05317	2	2690.1377
BTS	Ps3577	loci4	7.05226	0.00856	0.03	1	930.06822	197	131.88221	2	2509.9776
BTS	Ltc0129	loci3	9.2105	0.00273	0.03877	1	1201.9878	197	130.50191	2	2645.9374
SL	Elw5627s404	loci2	6.92224	0.00919	0.02452	1	3.86984	197	0.55904	2	23.83927
SL	Ps433	loci3	8.84801	0.0033	0.03105	1	4.90016	197	0.55381	2	24.35443
AL	Elw5627s404	loci2	8.32437	0.00435	0.04051	1	41.77928	197	5.01891	2	21.34845
AL	Elw5627s404	loci5	8.07839	0.00495	0.03936	1	40.59338	197	5.02493	2	20.7555
AL	Elw5627s404	loci1 1	7.30429	0.00748	0.03572	1	36.84263	197	5.04397	2	18.88013
AL	Ps433	loci3	16.65187	6.52E-05	0.07787	1	80.31681	197	4.82329	2	40.61721
AL	Ps433	loci5	7.04381	0.0086	0.03449	1	35.57414	197	5.05041	2	18.24588
AL	Elw5627s404 7	loci1	98.00055	5.21E-19	0.33191	1	342.33867	197	3.49323	2	171.62814
AL	Elw5627s404 7	loci2	98.00055	5.21E-19	0.33191	1	342.33867	197	3.49323	2	171.62814
AL	Elw5627s404 7	loci9	10.48608	0.00141	0.05049	1	52.0804	197	4.96662	2	26.49901
AL	Ps569	loci7	16.32587	7.64E-05	0.07646	1	78.86479	197	4.83066	2	39.89Ltc012 1
AL	Ps569	loci8	16.32587	7.64E-05	0.07646	1	78.86479	197	4.83066	2	39.89Ltc012

AL	Ps3577	loci3	11.40536	8.82E-04	0.05468	1	56.39628	197	4.94472	2	28.65695
AL	Ps3577	loci7	21.71969	5.80E-06	0.09922	1	102.33308	197	4.71153	2	51.62535
AL	Elw1420s081	loci1	14.40084	1.97E-04	0.06806	1	70.19907	197	4.87465	2	35.55835
AL	Ltc0129	loci1	7.10384	0.00833	0.03477	1	35.86679	197	5.04893	2	18.39221
AL	Ltc0129	loci5	43.23109	4.27E-10	0.1798	1	185.4459	197	4.28964	2	93.18176
AL	Ltc0157	loci3	13.47454	3.11E-04	0.06396	1	65.97277	197	4.8961	2	33.44519
AL	28366	loci1	52.30738	1.03E-11	0.20962	1	216.21115	197	4.13347	2	108.56438
TKW	Ps433	loci4	10.18608	0.00165	0.03102	1	1.87382	197	0.18396	2	12.08654
TKW	Elw5627s404 7	loci1	7.72299	0.00598	0.0238	1	1.4378	197	0.18617	2	11.86854
TKW	Elw5627s404 7	loci2	7.72299	0.00598	0.0238	1	1.4378	197	0.18617	2	11.86854
TKW	Elw5627s404 7	loci3	9.80045	0.00201	0.0299	1	1.80624	197	0.1843	2	12.05275
TKW	Ps569	loci2	6.9342	0.00913	0.02145	1	1.29595	197	0.18689	2	11.79761
TKW	Elw5616s393	loci4	9.17451	0.00278	0.02807	1	1.69601	197	0.18486	2	11.99764
TKW	Ltc0121	loci3	10.78236	0.00Ltc01 21	0.03274	1	1.97782	197	0.18343	2	12.13854
TKW	Ltc0121	loci4	10.78236	0.00Ltc01 21	0.03274	1	1.97782	197	0.18343	2	12.13854
BT	Elw5627s404	loci4	7.62514	0.0063	0.02105	1	400.62773	197	52.54034	2	4342.9697
BT	Elw5627s404	loci9	9.47664	0.00238	0.02592	1	493.44135	197	52.06921	2	4389.3765
BT	Ps433	loci4	7.00307	0.00879	0.01939	1	369.06584	197	52.70056	2	4327.1888
BT	Ps433	loci7	9.58778	0.00224	0.02621	1	498.95935	197	52.0412	2	4392.1355
BT	Ps433	loci8	8.78779	0.00341	0.02412	1	459.10507	197	52.24351	2	4372.2084

BT	PsElw5616s39 38	loci1	15.05194	1.43E-04	0.04009	1	763.1365	197	50.7002	2	4524.2241
BT	PsElw5616s39 38	loci2	15.05194	1.43E-04	0.04009	1	763.1365	197	50.7002	2	4524.2241
BT	PsElw5616s39 38	loci3	15.05194	1.43E-04	0.04009	1	763.1365	197	50.7002	2	4524.2241
BT	PsElw5616s39 38	loci5	15.05194	1.43E-04	0.04009	1	763.1365	197	50.7002	2	4524.2241
BT	PsElw5616s39 38	loci7	11.1126	0.00102	0.03016	1	574.07599	197	51.6599	2	4429.6938
BT	Elw5627s404 7	loci1	8.48676	0.00399	0.02333	1	444.02738	197	52.32004	2	4364.6695
BT	Elw5627s404 7	loci2	8.48676	0.00399	0.02333	1	444.02738	197	52.32004	2	4364.6695
BT	Elw5627s404 7	loci8	9.33674	0.00256	0.02556	1	486.48628	197	52.10451	2	4385.899
BT	Ps261	loci3	6.78843	0.00988	0.01881	1	358.13079	197	52.75607	2	4321.7212
BT	Ps3577	loci2	8.80567	0.00337	0.02416	1	459.999	197	52.23897	2	4372.6553
BT	Ltc0121	loci3	15.87886	9.50E-05	0.04213	1	801.93423	197	50.50326	2	4543.623
BT	Ltc0121	loci4	15.87886	9.50E-05	0.04213	1	801.93423	197	50.50326	2	4543.623
BT	Ltc0121	loci5	7.21812	0.00783	0.01996	1	379.99842	197	52.64506	2	4332.6551
BT	Ltc0157	loci4	8.77503	0.00343	0.02408	1	458.46652	197	52.24675	2	4371.8891
BT	Ltc0157	loci9	8.11414	0.00486	0.02234	1	425.30344	197	52.41509	2	4355.3076
BT	28366	loci3	7.63161	0.00628	0.02106	1	400.9546	197	52.53869	2	4343.1331
HT	Elw5627s404	loci4	9.82792	0.00198	0.02647	1	535.09429	197	54.44633	2	4743.7856
HT	Elw5627s404	loci9	13.0767	3.80E-04	0.03468	1	700.96763	197	53.60433	2	4826.7223

HT	Ps433	loci4	7.91668	0.00539	0.02152	1	435.0544	197	54.95414	2	4693.7657
HT	Ps433	loci6	7.75377	0.00588	0.0211	1	426.4406	197	54.99787	2	4689.4588
HT	Ps433	loci7	10.07744	0.00174	0.02711	1	548.01835	197	54.38072	2	4750.2476
HT	Ps433	loci8	9.63241	0.00219	0.02597	1	524.94571	197	54.49784	2	4738.7113
HT	PsElw5616s39 38	loci1	15.43198	1.18E-04	0.04047	1	818.04941	197	53.01001	2	4885.2632
HT	PsElw5616s39 38	loci2	15.43198	1.18E-04	0.04047	1	818.04941	197	53.01001	2	4885.2632
HT	PsElw5616s39 38	loci3	15.43198	1.18E-04	0.04047	1	818.04941	197	53.01001	2	4885.2632
HT	PsElw5616s39 38	loci5	15.43198	1.18E-04	0.04047	1	818.04941	197	53.01001	2	4885.2632
HT	PsElw5616s39 38	loci7	15.2643	1.28E-04	0.04006	1	809.79986	197	53.05188	2	4881.1384
HT	Elw5627s404 7	loci1	9.25308	0.00267	0.02499	1	505.2004	197	54.59807	2	4728.8387
HT	Elw5627s404 7	loci2	9.25308	0.00267	0.02499	1	505.2004	197	54.59807	2	4728.8387
HT	Ps261	loci3	6.77309	0.00996	0.01852	1	374.29849	197	55.26255	2	4663.3877
HT	Ps3577	loci1	7.02902	0.00867	0.01919	1	387.95418	197	55.19323	2	4670.2155
HT	Ps3577	loci2	11.2755	9.43E-04	0.03016	1	609.64267	197	54.06791	2	4781.0598
HT	Ltc0121	loci3	19.97772	1.32E-05	0.05129	1	1036.8325	197	51.89943	2	4994.6547
HT	Ltc0121	loci4	19.97772	1.32E-05	0.05129	1	1036.8325	197	51.89943	2	4994.6547
HT	Ltc0121	loci5	9.32027	0.00258	0.02517	1	508.70312	197	54.58029	2	4730.59
HT	Ltc0157	loci4	10.49435	0.00141	0.02818	1	569.54364	197	54.27146	2	4761.0103
HT	Ltc0157	loci7	6.90075	0.00929	0.01885	1	381.11422	197	55.22795	2	4666.7956

HT	Ltc0157	loci9	9.52795	0.00232	0.0257	1	519.51545	197	54.52541	2	4735.9962
HT	28366	loci1	7.16654	0.00805	0.01956	1	395.27802	197	55.15605	2	4673.8775
HT	28366	loci3	9.30455	0.0026	0.02513	1	507.88376	197	54.58445	2	4730.1803
FT	Elw5627s404	loci4	13.20564	3.56E-04	0.03492	1	644.63148	197	48.81486	2	4421.8324
FT	Elw5627s404	loci7	7.72597	0.00597	0.02098	1	387.23663	197	50.Ltc01214 4	2	4293.135
FT	Elw5627s404	loci9	15.44909	1.17E-04	0.04042	1	746.18165	197	48.29938	2	4472.6075
FT	Elw5627s404	loci1 2	7.39949	0.00711	0.02012	1	371.46565	197	50.20149	2	4285.2495
FT	Ps433	loci4	7.25938	0.00766	0.01976	1	364.68171	197	50.23593	2	4281.8576
FT	Ps433	loci6	6.87965	0.0094	0.01876	1	346.24947	197	50.32949	2	4272.6414
FT	Ps433	loci7	10.44866	0.00144	0.028	1	516.82832	197	49.46361	2	4357.9309
FT	Ps433	loci8	8.779	0.00342	0.02371	1	437.7646	197	49.86495	2	4318.399
FT	PsElw5616s39 38	loci1	11.3432	9.11E-04	0.03026	1	558.66678	197	49.25123	2	4378.8501
FT	PsElw5616s39 38	loci2	11.3432	9.11E-04	0.03026	1	558.66678	197	49.25123	2	4378.8501
FT	PsElw5616s39 38	loci3	11.3432	9.11E-04	0.03026	1	558.66678	197	49.25123	2	4378.8501
FT	PsElw5616s39 38	loci5	11.3432	9.11E-04	0.03026	1	558.66678	197	49.25123	2	4378.8501
FT	PsElw5616s39 38	loci7	17.45327	4.42E-05	0.04524	1	835.10406	197	47.848	2	4517.0687
FT	Elw5627s404 7	loci1	9.13917	0.00283	0.02464	1	454.9279	197	49.77783	2	4326.9806
FT	Elw5627s404	loci2	9.13917	0.00283	0.02464	1	454.9279	197	49.77783	2	4326.9806

	7										
FT	Elw5627s404	loci8	8.9242	0.00317	0.02409	1	444.6908	197	49.82979	2	4321.8621
	7										
FT	Ps261	loci1	7.15253	0.00811	0.01947	1	359.50229	197	50.26222	2	4279.2678
FT	Ps569	loci7	7.24889	0.00771	0.01973	1	364.17334	197	50.23851	2	4281.6034
FT	Ps569	loci8	7.24889	0.00771	0.01973	1	364.17334	197	50.23851	2	4281.6034
FT	Ps3577	loci1	6.85045	0.00955	0.01868	1	344.82911	197	50.3367	2	4271.9313
FT	Ps3577	loci2	16.68044	6.43E-05	0.04339	1	801.01238	197	48.02105	2	4500.0229
FT	Elw3592s195	loci4	7.07815	0.00845	0.01928	1	355.89335	197	50.28054	2	4277.4634
FT	Ltc0121	loci3	21.1446	7.61E-06	0.05388	1	994.60706	197	47.03834	2	4596.8202
FT	Ltc0121	loci4	21.1446	7.61E-06	0.05388	1	994.60706	197	47.03834	2	4596.8202
FT	Ltc0121	loci5	8.6052	0.00375	0.02326	1	429.46075	197	49.9071	2	4314.2471
FT	Ltc0157	loci4	14.37133	1.99E-04	0.03779	1	697.66547	197	48.54566	2	4448.3494
FT	Ltc0157	loci7	8.17576	0.0047	0.02215	1	408.8824	197	50.01156	2	4303.9579
FT	Ltc0157	loci9	9.73372	0.00208	0.02617	1	483.13018	197	49.63467	2	4341.0818
FT	28366	loci1	7.95419	0.00529	0.02157	1	398.23168	197	50.06562	2	4298.6325
FT	28366	loci3	10.91675	0.00113	0.02919	1	538.76635	197	49.35225	2	4368.8999
