

Table S2

Additional file 2: Table S2. Genome-wide identification of the VQ gene family in 50 completely sequenced genomes*

Locus name	Species name	Chromosome/Linkage	From	To
407942	<i>Selaginella moellendorffii</i>	scaffold_7	3666862	3668456
409496	<i>Selaginella moellendorffii</i>	scaffold_10	2396688	2397635
410083	<i>Selaginella moellendorffii</i>	scaffold_11	2788359	2789447
414696	<i>Selaginella moellendorffii</i>	scaffold_24	1578752	1579477
419311	<i>Selaginella moellendorffii</i>	scaffold_42	142154	143146
443192	<i>Selaginella moellendorffii</i>	scaffold_30	1742368	1744484
447774	<i>Selaginella moellendorffii</i>	scaffold_100	199704	202427
27985.t000012	<i>Ricinius communis</i>	27985	69485	70249
28745.t000001	<i>Ricinius communis</i>	28745	10308	12319
29333.t000052	<i>Ricinius communis</i>	29333	395548	395976
29613.t000002	<i>Ricinius communis</i>	29613	15315	15860
29661.t000045	<i>Ricinius communis</i>	29661	389081	389680
29668.t000018	<i>Ricinius communis</i>	29668	266202	266963
29680.t000008	<i>Ricinius communis</i>	29680	55111	55512
29680.t000009	<i>Ricinius communis</i>	29680	57670	58080
29693.t000042	<i>Ricinius communis</i>	29693	341606	341962
29733.t000029	<i>Ricinius communis</i>	29733	639099	640132
29739.t000027	<i>Ricinius communis</i>	29739	155653	157749
29840.t000028	<i>Ricinius communis</i>	29840	490975	491700
29848.t000064	<i>Ricinius communis</i>	29848	351983	352513
29908.t000067	<i>Ricinius communis</i>	29908	1100604	1102816
29908.t000120	<i>Ricinius communis</i>	29908	1444974	1446384
29974.t000011	<i>Ricinius communis</i>	29974	84520	85233
30066.t000002	<i>Ricinius communis</i>	30066	17735	18373
30076.t000130	<i>Ricinius communis</i>	30076	829213	830178
30106.t000001	<i>Ricinius communis</i>	30106	122825	124048
30131.t000316	<i>Ricinius communis</i>	30131	1971064	1971495
30136.t000017	<i>Ricinius communis</i>	30136	408702	409677
30190.t000107	<i>Ricinius communis</i>	30190	320390	321542
30226.t000055	<i>Ricinius communis</i>	30226	1809026	1809541
Aco000466	<i>Ananas comosus</i>	LG12	1655570	1656166
Aco000601	<i>Ananas comosus</i>	LG12	724824	725195
Aco000747	<i>Ananas comosus</i>	LG02	17023432	17023812
Aco001196	<i>Ananas comosus</i>	LG02	13459813	13461018
Aco001722	<i>Ananas comosus</i>	LG18	8459367	8459918
Aco003362	<i>Ananas comosus</i>	LG17	2354011	2354571
Aco004064	<i>Ananas comosus</i>	LG15	1639011	1642420
Aco004090	<i>Ananas comosus</i>	LG15	1476513	1477508
Aco004363	<i>Ananas comosus</i>	LG05	2644985	2645299
Aco005493	<i>Ananas comosus</i>	LG11	10658565	10658864
Aco005609	<i>Ananas comosus</i>	LG11	11687253	11687831
Aco006014	<i>Ananas comosus</i>	LG16	9708045	9708779
Aco008349	<i>Ananas comosus</i>	LG19	9699476	9700198
Aco008593	<i>Ananas comosus</i>	LG09	951439	951951
Aco008756	<i>Ananas comosus</i>	LG09	2150723	2151214
Aco009553	<i>Ananas comosus</i>	LG01	1360334	1363981
Aco009572	<i>Ananas comosus</i>	LG01	1247102	1250787
Aco010682	<i>Ananas comosus</i>	LG10	2701319	2702163
Aco015019	<i>Ananas comosus</i>	LG04	11823385	11823813
Aco017124	<i>Ananas comosus</i>	LG14	11581598	11582047
Aco018255	<i>Ananas comosus</i>	LG01	14349915	14350667
Aco019270	<i>Ananas comosus</i>	LG13	3740599	3740973
Aco023939	<i>Ananas comosus</i>	LG13	3206150	3206788
Aco026698	<i>Ananas comosus</i>	LG10	10378360	10379301

Table S2

Aco027359	Ananas comosus	LG05	1864958	1865644
AHYPO_001099	Amaranthus hypochondriacus	scaffold_5	406148	407078
AHYPO_004130	Amaranthus hypochondriacus	scaffold_26	337083	337712
AHYPO_004517	Amaranthus hypochondriacus	scaffold_28	1320978	1321586
AHYPO_005030	Amaranthus hypochondriacus	scaffold_33	378546	379097
AHYPO_005138	Amaranthus hypochondriacus	scaffold_34	318053	318478
AHYPO_005397	Amaranthus hypochondriacus	scaffold_36	507434	507966
AHYPO_005475	Amaranthus hypochondriacus	scaffold_37	10603	11373
AHYPO_005526	Amaranthus hypochondriacus	scaffold_37	740578	741960
AHYPO_007029	Amaranthus hypochondriacus	scaffold_54	531312	532150
AHYPO_008856	Amaranthus hypochondriacus	scaffold_80	40491	41632
AHYPO_008920	Amaranthus hypochondriacus	scaffold_80	697006	697689
AHYPO_010632	Amaranthus hypochondriacus	scaffold_108	9147	9647
AHYPO_010728	Amaranthus hypochondriacus	scaffold_110	156150	156518
AHYPO_013325	Amaranthus hypochondriacus	scaffold_176	215314	216000
AHYPO_017474	Amaranthus hypochondriacus	scaffold_388	193182	194324
AHYPO_017689	Amaranthus hypochondriacus	scaffold_404	199562	201494
AHYPO_018116	Amaranthus hypochondriacus	scaffold_446	18753	19367
AHYPO_018969	Amaranthus hypochondriacus	scaffold_525	106359	107657
AHYPO_019400	Amaranthus hypochondriacus	scaffold_580	118009	118701
AHYPO_020163	Amaranthus hypochondriacus	scaffold_704	44683	45369
AHYPO_021211	Amaranthus hypochondriacus	scaffold_931	26229	26738
AHYPO_021424	Amaranthus hypochondriacus	scaffold_993	29858	30538
AHYPO_021430	Amaranthus hypochondriacus	scaffold_993	77034	79055
AHYPO_022802	Amaranthus hypochondriacus	scaffold_1781	11830	12327
AL1G29370	Arabidopsis lyrata	scaffold_1	7174413	7175015
AL1G34420	Arabidopsis lyrata	scaffold_1	9195956	9197013
AL1G41830	Arabidopsis lyrata	scaffold_1	12456597	12457621
AL1G46870	Arabidopsis lyrata	scaffold_1	14939365	14940875
AL1G50790	Arabidopsis lyrata	scaffold_1	17684965	17686324
AL2G27310	Arabidopsis lyrata	scaffold_2	13095244	13096004
AL2G38660	Arabidopsis lyrata	scaffold_2	18129874	18131206
AL2G38780	Arabidopsis lyrata	scaffold_2	18174801	18175287
AL2G41050	Arabidopsis lyrata	scaffold_2	19034167	19038641
AL3G27690	Arabidopsis lyrata	scaffold_3	6390187	6391091
AL3G31640	Arabidopsis lyrata	scaffold_3	7876735	7877780
AL3G32010	Arabidopsis lyrata	scaffold_3	8019066	8019907
AL3G32030	Arabidopsis lyrata	scaffold_3	8026639	8027547
AL3G36350	Arabidopsis lyrata	scaffold_3	9840684	9841416
AL3G48200	Arabidopsis lyrata	scaffold_3	20721603	20722067
AL4G12470	Arabidopsis lyrata	scaffold_4	1323901	1324251
AL4G29490	Arabidopsis lyrata	scaffold_4	16016544	16017452
AL4G31260	Arabidopsis lyrata	scaffold_4	16718270	16720513
AL4G38990	Arabidopsis lyrata	scaffold_4	20006832	20007766
AL4G39150	Arabidopsis lyrata	scaffold_4	20061611	20062583
AL4G40510	Arabidopsis lyrata	scaffold_4	20594104	20594857
AL4G43320	Arabidopsis lyrata	scaffold_4	21624331	21625378
AL5G38080	Arabidopsis lyrata	scaffold_5	18035613	18036387
AL5G38270	Arabidopsis lyrata	scaffold_5	18115922	18116980
AL5G39650	Arabidopsis lyrata	scaffold_5	18673181	18674065
AL5G42290	Arabidopsis lyrata	scaffold_5	19664857	19665676
AL6G18950	Arabidopsis lyrata	scaffold_6	3343470	3344785
AL7G11920	Arabidopsis lyrata	scaffold_7	716690	717826
AL7G12970	Arabidopsis lyrata	scaffold_7	1144770	1145240
AL7G33860	Arabidopsis lyrata	scaffold_7	9831642	9832504
AL7G40590	Arabidopsis lyrata	scaffold_7	13290775	13291600
AL8G11560	Arabidopsis lyrata	scaffold_8	724304	725534
AL8G28890	Arabidopsis lyrata	scaffold_8	16091231	16092298

Table S2

AL8G42690	<i>Arabidopsis lyrata</i>	scaffold_8	21808737	21810168
Bol005142	<i>Brassica oleracea</i>	C04	39127651	39128328
Bol006908	<i>Brassica oleracea</i>	C04	342147	342572
Bol008035	<i>Brassica oleracea</i>	C02	41694703	41695668
Bol008412	<i>Brassica oleracea</i>	C03	44149264	44149965
Bol008485	<i>Brassica oleracea</i>	C07	28512004	28512696
Bol008806	<i>Brassica oleracea</i>	C03	1638556	1639080
Bol009641	<i>Brassica oleracea</i>	C05	16686132	16686824
Bol011139	<i>Brassica oleracea</i>	C05	28184470	28185147
Bol015936	<i>Brassica oleracea</i>	C03	29890388	29891476
Bol017211	<i>Brassica oleracea</i>	C07	26141099	26141779
Bol018598	<i>Brassica oleracea</i>	C07	47784777	47785121
Bol018960	<i>Brassica oleracea</i>	C02	20750497	20750811
Bol018964	<i>Brassica oleracea</i>	C02	20685672	20686553
Bol020569	<i>Brassica oleracea</i>	C03	11864857	11865282
Bol021449	<i>Brassica oleracea</i>	C06	30299005	30299523
Bol021556	<i>Brassica oleracea</i>	C06	31297762	31298079
Bol021563	<i>Brassica oleracea</i>	C06	31356709	31357749
Bol021672	<i>Brassica oleracea</i>	C04	40021677	40022219
Bol022878	<i>Brassica oleracea</i>	C03	23112762	23113400
Bol023244	<i>Brassica oleracea</i>	C01	28340238	28340828
Bol023823	<i>Brassica oleracea</i>	C06	27703295	27703678
Bol027428	<i>Brassica oleracea</i>	C04	21708508	21709734
Bol027483	<i>Brassica oleracea</i>	C06	736346	736660
Bol027489	<i>Brassica oleracea</i>	C06	764423	765289
Bol028835	<i>Brassica oleracea</i>	C01	304002	304871
Bol029300	<i>Brassica oleracea</i>	C08	19925801	19926094
Bol029826	<i>Brassica oleracea</i>	C03	47839399	47840001
Bol030074	<i>Brassica oleracea</i>	C04	2050948	2051490
Bol030076	<i>Brassica oleracea</i>	C04	2080607	2081164
Bol030935	<i>Brassica oleracea</i>	C01	31572529	31573371
Bol030958	<i>Brassica oleracea</i>	C01	31335705	31336358
Bol032726	<i>Brassica oleracea</i>	C03	47191222	47191566
Bol037818	<i>Brassica oleracea</i>	C04	36017455	36018483
Bol038290	<i>Brassica oleracea</i>	C05	6971415	6971708
Bol038790	<i>Brassica oleracea</i>	C09	21666963	21667646
Bol039807	<i>Brassica oleracea</i>	C03	8599256	8600557
Bol043792	<i>Brassica oleracea</i>	C09	37749496	37758167
Bol044298	<i>Brassica oleracea</i>	C04	22062301	22062570
Bol044299	<i>Brassica oleracea</i>	C04	22060798	22061250
Bol044309	<i>Brassica oleracea</i>	C04	21981182	21981892
Bol044405	<i>Brassica oleracea</i>	C08	30378433	30378882
Bol045470	<i>Brassica oleracea</i>	C08	30513115	30513804
Bol045527	<i>Brassica oleracea</i>	C08	31223700	31224233
Bol045596	<i>Brassica oleracea</i>	C08	32049827	32050300
Bol045819	<i>Brassica oleracea</i>	C08	34949314	34949730
Bradi1g06260	<i>Brachypodium distachyon</i>	Bd1	4197109	4198319
Bradi1g12580	<i>Brachypodium distachyon</i>	Bd1	9472882	9473810
Bradi1g17290	<i>Brachypodium distachyon</i>	Bd1	13834851	13836072
Bradi1g32060	<i>Brachypodium distachyon</i>	Bd1	27535170	27536378
Bradi1g35890	<i>Brachypodium distachyon</i>	Bd1	31639180	31639731
Bradi1g36630	<i>Brachypodium distachyon</i>	Bd1	32421151	32422605
Bradi1g38740	<i>Brachypodium distachyon</i>	Bd1	35221274	35222042
Bradi1g48842	<i>Brachypodium distachyon</i>	Bd1	47669774	47670145
Bradi1g56950	<i>Brachypodium distachyon</i>	Bd1	55838892	55839737
Bradi1g60860	<i>Brachypodium distachyon</i>	Bd1	60441437	60442192
Bradi1g63980	<i>Brachypodium distachyon</i>	Bd1	63398462	63399375
Bradi1g64050	<i>Brachypodium distachyon</i>	Bd1	63475028	63477787

Table S2

Bradi1g71870	<i>Brachypodium distachyon</i>	Bd1	69997991	69998989
Bradi2g06271	<i>Brachypodium distachyon</i>	Bd2	4714845	4715957
Bradi2g10700	<i>Brachypodium distachyon</i>	Bd2	8910180	8911483
Bradi2g15795	<i>Brachypodium distachyon</i>	Bd2	13950979	13953102
Bradi2g19600	<i>Brachypodium distachyon</i>	Bd2	17237946	17239509
Bradi2g21400	<i>Brachypodium distachyon</i>	Bd2	18761652	18762777
Bradi2g49740	<i>Brachypodium distachyon</i>	Bd2	49546077	49547278
Bradi2g52881	<i>Brachypodium distachyon</i>	Bd2	51916446	51917607
Bradi3g05410	<i>Brachypodium distachyon</i>	Bd3	3826120	3827605
Bradi3g09510	<i>Brachypodium distachyon</i>	Bd3	7634424	7636986
Bradi3g13033	<i>Brachypodium distachyon</i>	Bd3	11673785	11674615
Bradi3g34300	<i>Brachypodium distachyon</i>	Bd3	36473552	36476417
Bradi3g34440	<i>Brachypodium distachyon</i>	Bd3	36575683	36576351
Bradi3g35600	<i>Brachypodium distachyon</i>	Bd3	37639712	37641340
Bradi3g45220	<i>Brachypodium distachyon</i>	Bd3	46939354	46942028
Bradi3g58880	<i>Brachypodium distachyon</i>	Bd3	57969713	57970896
Bradi3g58890	<i>Brachypodium distachyon</i>	Bd3	57972887	57974035
Bradi4g00780	<i>Brachypodium distachyon</i>	Bd4	398093	398506
Bradi4g04497	<i>Brachypodium distachyon</i>	Bd4	3725814	3726574
Bradi4g29080	<i>Brachypodium distachyon</i>	Bd4	34401592	34403507
Bradi4g43770	<i>Brachypodium distachyon</i>	Bd4	47304079	47305500
Bradi5g03090	<i>Brachypodium distachyon</i>	Bd5	3420280	3423352
Bradi5g09730	<i>Brachypodium distachyon</i>	Bd5	13193982	13195768
Bradi5g23893	<i>Brachypodium distachyon</i>	Bd5	25852040	25853115
Bradi5g25360	<i>Brachypodium distachyon</i>	Bd5	26884424	26885277
Cagra.0007s0072	<i>Capsella grandiflora</i>	Scaffold7	252117	252746
Cagra.0096s0007	<i>Capsella grandiflora</i>	Scaffold96	27225	28475
Cagra.0301s0003	<i>Capsella grandiflora</i>	Scaffold301	6630	7223
Cagra.0578s0002	<i>Capsella grandiflora</i>	Scaffold578	2854	3736
Cagra.0578s0017	<i>Capsella grandiflora</i>	Scaffold578	56569	57790
Cagra.0686s0018	<i>Capsella grandiflora</i>	Scaffold686	59621	60166
Cagra.0751s0021	<i>Capsella grandiflora</i>	Scaffold751	87995	89022
Cagra.0824s0083	<i>Capsella grandiflora</i>	Scaffold824	283091	283739
Cagra.0917s0068	<i>Capsella grandiflora</i>	Scaffold917	299832	301160
Cagra.0993s0033	<i>Capsella grandiflora</i>	Scaffold993	110898	113030
Cagra.10347s0001	<i>Capsella grandiflora</i>	Scaffold10347	469	1425
Cagra.12804s0011	<i>Capsella grandiflora</i>	Scaffold12804	23717	24220
Cagra.1365s0059	<i>Capsella grandiflora</i>	Scaffold1365	201641	202168
Cagra.1562s0019	<i>Capsella grandiflora</i>	Scaffold1562	74015	74754
Cagra.1642s0067	<i>Capsella grandiflora</i>	Scaffold1642	236301	236996
Cagra.1642s0082	<i>Capsella grandiflora</i>	Scaffold1642	287433	288419
Cagra.1681s0005	<i>Capsella grandiflora</i>	Scaffold1681	15944	16753
Cagra.1725s0099	<i>Capsella grandiflora</i>	Scaffold1725	375526	376342
Cagra.1822s0034	<i>Capsella grandiflora</i>	Scaffold1822	141282	142464
Cagra.18423s0001	<i>Capsella grandiflora</i>	Scaffold18423	888	1427
Cagra.1850s0015	<i>Capsella grandiflora</i>	Scaffold1850	66987	67562
Cagra.1934s0003	<i>Capsella grandiflora</i>	Scaffold1934	15731	16066
Cagra.22718s0002	<i>Capsella grandiflora</i>	Scaffold22718	3543	8913
Cagra.2374s0064	<i>Capsella grandiflora</i>	Scaffold2374	217629	218504
Cagra.2420s0009	<i>Capsella grandiflora</i>	Scaffold2420	33053	33807
Cagra.2453s0017	<i>Capsella grandiflora</i>	Scaffold2453	51346	51873
Cagra.2460s0045	<i>Capsella grandiflora</i>	Scaffold2460	148294	149262
Cagra.2564s0020	<i>Capsella grandiflora</i>	Scaffold2564	66637	67251
Cagra.3364s0001	<i>Capsella grandiflora</i>	Scaffold3364	6048	6500
Cagra.3527s0041	<i>Capsella grandiflora</i>	Scaffold3527	169422	169895
Cagra.4290s0009	<i>Capsella grandiflora</i>	Scaffold4290	46171	46512
Cagra.7865s0021	<i>Capsella grandiflora</i>	Scaffold7865	76014	76673
Cagra.9757s0006	<i>Capsella grandiflora</i>	Scaffold9757	14250	14600

Table S2

<i>Carubv10000171m.g</i>	<i>Capsella rubella</i>	scaffold_6	14094249	14101213
<i>Carubv10003884m.g</i>	<i>Capsella rubella</i>	scaffold_6	2733377	2733904
<i>Carubv10005634m.g</i>	<i>Capsella rubella</i>	scaffold_7	7966010	7966898
<i>Carubv10007072m.g</i>	<i>Capsella rubella</i>	scaffold_7	577405	578283
<i>Carubv10007212m.g</i>	<i>Capsella rubella</i>	scaffold_7	912686	913027
<i>Carubv10007700m.g</i>	<i>Capsella rubella</i>	scaffold_7	10249553	10250131
<i>Carubv10010726m.g</i>	<i>Capsella rubella</i>	scaffold_1	5914929	5915654
<i>Carubv10010842m.g</i>	<i>Capsella rubella</i>	scaffold_1	7449818	7450531
<i>Carubv10011477m.g</i>	<i>Capsella rubella</i>	scaffold_1	9693152	9693898
<i>Carubv10012223m.g</i>	<i>Capsella rubella</i>	scaffold_1	12867270	12868226
<i>Carubv10012318m.g</i>	<i>Capsella rubella</i>	scaffold_1	11484967	11485632
<i>Carubv10014701m.g</i>	<i>Capsella rubella</i>	scaffold_3	8062389	8063338
<i>Carubv10015299m.g</i>	<i>Capsella rubella</i>	scaffold_3	6556098	6556751
<i>Carubv10015457m.g</i>	<i>Capsella rubella</i>	scaffold_3	5259334	5259963
<i>Carubv10016148m.g</i>	<i>Capsella rubella</i>	scaffold_3	6432944	6433750
<i>Carubv10017877m.g</i>	<i>Capsella rubella</i>	scaffold_5	11303808	11305708
<i>Carubv10018159m.g</i>	<i>Capsella rubella</i>	scaffold_5	11246744	11247770
<i>Carubv10018493m.g</i>	<i>Capsella rubella</i>	scaffold_5	11761471	11762016
<i>Carubv10019258m.g</i>	<i>Capsella rubella</i>	scaffold_5	12488959	12489432
<i>Carubv10020938m.g</i>	<i>Capsella rubella</i>	scaffold_2	13873238	13874288
<i>Carubv10021179m.g</i>	<i>Capsella rubella</i>	scaffold_2	13183327	13183917
<i>Carubv10021365m.g</i>	<i>Capsella rubella</i>	scaffold_2	13150139	13151089
<i>Carubv10021516m.g</i>	<i>Capsella rubella</i>	scaffold_2	9044485	9044931
<i>Carubv10023326m.g</i>	<i>Capsella rubella</i>	scaffold_4	9772254	9774812
<i>Carubv10024274m.g</i>	<i>Capsella rubella</i>	scaffold_4	12313309	12314660
<i>Carubv10024521m.g</i>	<i>Capsella rubella</i>	scaffold_4	13540243	13540776
<i>Carubv10024784m.g</i>	<i>Capsella rubella</i>	scaffold_4	12262033	12262737
<i>Carubv10024877m.g</i>	<i>Capsella rubella</i>	scaffold_4	815388	815738
<i>Carubv10025399m.g</i>	<i>Capsella rubella</i>	scaffold_4	12711124	12711624
<i>Carubv10025526m.g</i>	<i>Capsella rubella</i>	scaffold_4	9190247	9190840
<i>Carubv10026700m.g</i>	<i>Capsella rubella</i>	scaffold_8	12412832	12414102
<i>Carubv10026943m.g</i>	<i>Capsella rubella</i>	scaffold_8	425270	426408
<i>Carubv10026984m.g</i>	<i>Capsella rubella</i>	scaffold_8	7960166	7961221
<i>Carubv10027887m.g</i>	<i>Capsella rubella</i>	scaffold_8	1446960	1447697
<i>Ciclev10001250m.g</i>	<i>Citrus clementina</i>	scaffold_5	36490752	36492636
<i>Ciclev10001938m.g</i>	<i>Citrus clementina</i>	scaffold_5	36166730	36168991
<i>Ciclev10002106m.g</i>	<i>Citrus clementina</i>	scaffold_5	38469258	38470252
<i>Ciclev10002803m.g</i>	<i>Citrus clementina</i>	scaffold_5	21399871	21400827
<i>Ciclev10009260m.g</i>	<i>Citrus clementina</i>	scaffold_1	17418249	17419200
<i>Ciclev10009660m.g</i>	<i>Citrus clementina</i>	scaffold_1	891333	892160
<i>Ciclev10012154m.g</i>	<i>Citrus clementina</i>	scaffold_6	3003862	3006390
<i>Ciclev10012618m.g</i>	<i>Citrus clementina</i>	scaffold_6	21681866	21683202
<i>Ciclev10012635m.g</i>	<i>Citrus clementina</i>	scaffold_6	18451376	18452564
<i>Ciclev10013474m.g</i>	<i>Citrus clementina</i>	scaffold_6	18907844	18909431
<i>Ciclev10013749m.g</i>	<i>Citrus clementina</i>	scaffold_6	19555041	19555523
<i>Ciclev10016465m.g</i>	<i>Citrus clementina</i>	scaffold_2	33532219	33534581
<i>Ciclev10016595m.g</i>	<i>Citrus clementina</i>	scaffold_2	29886356	29887239
<i>Ciclev10017188m.g</i>	<i>Citrus clementina</i>	scaffold_2	35199443	35200114
<i>Ciclev10022688m.g</i>	<i>Citrus clementina</i>	scaffold_3	35784884	35785592
<i>Ciclev10023693m.g</i>	<i>Citrus clementina</i>	scaffold_3	10065274	10065846
<i>Ciclev10023791m.g</i>	<i>Citrus clementina</i>	scaffold_3	10062212	10062880
<i>Ciclev10025465m.g</i>	<i>Citrus clementina</i>	scaffold_7	20690094	20692017
<i>Ciclev10026434m.g</i>	<i>Citrus clementina</i>	scaffold_7	16614911	16616240
<i>Ciclev10026439m.g</i>	<i>Citrus clementina</i>	scaffold_7	12890748	12891580
<i>Ciclev10026545m.g</i>	<i>Citrus clementina</i>	scaffold_7	4127518	4128342
<i>Ciclev10026619m.g</i>	<i>Citrus clementina</i>	scaffold_7	5805230	5807265
<i>Ciclev10033296m.g</i>	<i>Citrus clementina</i>	scaffold_4	15559529	15560119
<i>Ciclev10033421m.g</i>	<i>Citrus clementina</i>	scaffold_4	15555148	15555729

Table S2

<i>Ciclev10033922m.g</i>	<i>Citrus clementina</i>	scaffold_4	25176534	25176812
<i>Cucsa.029510</i>	<i>Cucumis sativus</i>	scaffold00397	125234	126451
<i>Cucsa.046270</i>	<i>Cucumis sativus</i>	scaffold00542	1825721	1826395
<i>Cucsa.048710</i>	<i>Cucumis sativus</i>	scaffold00542	3351717	3352523
<i>Cucsa.058430</i>	<i>Cucumis sativus</i>	scaffold00614	588527	588996
<i>Cucsa.068360</i>	<i>Cucumis sativus</i>	scaffold00707	144292	145870
<i>Cucsa.077000</i>	<i>Cucumis sativus</i>	scaffold00791	96254	96787
<i>Cucsa.103330</i>	<i>Cucumis sativus</i>	scaffold00927	2138904	2139410
<i>Cucsa.104470</i>	<i>Cucumis sativus</i>	scaffold00927	2971587	2972971
<i>Cucsa.105580</i>	<i>Cucumis sativus</i>	scaffold00929	200584	200948
<i>Cucsa.123100</i>	<i>Cucumis sativus</i>	scaffold01000	402209	402960
<i>Cucsa.126760</i>	<i>Cucumis sativus</i>	scaffold01017	610078	610830
<i>Cucsa.133030</i>	<i>Cucumis sativus</i>	scaffold01037	825162	825684
<i>Cucsa.160170</i>	<i>Cucumis sativus</i>	scaffold01144	433448	434839
<i>Cucsa.170100</i>	<i>Cucumis sativus</i>	scaffold01174	390450	390950
<i>Cucsa.180120</i>	<i>Cucumis sativus</i>	scaffold01233	459174	459717
<i>Cucsa.199120</i>	<i>Cucumis sativus</i>	scaffold01357	1923147	1923680
<i>Cucsa.242220</i>	<i>Cucumis sativus</i>	scaffold02047	1997651	1997965
<i>Cucsa.242710</i>	<i>Cucumis sativus</i>	scaffold02047	2389018	2389536
<i>Cucsa.249990</i>	<i>Cucumis sativus</i>	scaffold02219	126609	127093
<i>Cucsa.271370</i>	<i>Cucumis sativus</i>	scaffold02500	267604	268131
<i>Cucsa.283500</i>	<i>Cucumis sativus</i>	scaffold02653	591228	591659
<i>Cucsa.291310</i>	<i>Cucumis sativus</i>	scaffold02764	69714	70112
<i>Cucsa.307850</i>	<i>Cucumis sativus</i>	scaffold02978	126553	127441
<i>Cucsa.311600</i>	<i>Cucumis sativus</i>	scaffold02995	1146449	1147453
<i>Cucsa.312720</i>	<i>Cucumis sativus</i>	scaffold02995	2049367	2050356
<i>Cucsa.313130</i>	<i>Cucumis sativus</i>	scaffold02995	2372156	2373112
<i>Cucsa.321830</i>	<i>Cucumis sativus</i>	scaffold03080	1646873	1648697
<i>Cucsa.337490</i>	<i>Cucumis sativus</i>	scaffold03356	563520	564242
<i>Cucsa.337760</i>	<i>Cucumis sativus</i>	scaffold03356	765288	766585
<i>Cucsa.394710</i>	<i>Cucumis sativus</i>	scaffold04100	520796	521509
<i>DCAR_001091</i>	<i>Daucus carota</i>	DCARv2_Ch1	10502163	10502804
<i>DCAR_001286</i>	<i>Daucus carota</i>	DCARv2_Ch1	4075578	4076270
<i>DCAR_001357</i>	<i>Daucus carota</i>	DCARv2_Ch1	13845888	13846493
<i>DCAR_001486</i>	<i>Daucus carota</i>	DCARv2_Ch1	15982473	15983447
<i>DCAR_004068</i>	<i>Daucus carota</i>	DCARv2_Ch1	44423133	44423852
<i>DCAR_004339</i>	<i>Daucus carota</i>	DCARv2_Ch1	46974176	46974886
<i>DCAR_005628</i>	<i>Daucus carota</i>	DCARv2_Ch2	16020411	16021496
<i>DCAR_008272</i>	<i>Daucus carota</i>	DCARv2_Ch2	40816946	40818058
<i>DCAR_008723</i>	<i>Daucus carota</i>	DCARv2_Ch3	614567	615999
<i>DCAR_010807</i>	<i>Daucus carota</i>	DCARv2_Ch3	28895780	28896253
<i>DCAR_012621</i>	<i>Daucus carota</i>	DCARv2_Ch3	49453195	49456150
<i>DCAR_012887</i>	<i>Daucus carota</i>	DCARv2_Ch4	34505164	34505949
<i>DCAR_013031</i>	<i>Daucus carota</i>	DCARv2_Ch4	33394276	33394947
<i>DCAR_013320</i>	<i>Daucus carota</i>	DCARv2_Ch4	31060697	31061446
<i>DCAR_013523</i>	<i>Daucus carota</i>	DCARv2_Ch4	29526296	29526946
<i>DCAR_013546</i>	<i>Daucus carota</i>	DCARv2_Ch4	29355399	29355929
<i>DCAR_013643</i>	<i>Daucus carota</i>	DCARv2_Ch4	28607497	28607916
<i>DCAR_013798</i>	<i>Daucus carota</i>	DCARv2_Ch4	27297705	27298025
<i>DCAR_014231</i>	<i>Daucus carota</i>	DCARv2_Ch4	23714186	23716156
<i>DCAR_014231</i>	<i>Daucus carota</i>	DCARv2_Ch4	23714186	23716156
<i>DCAR_014345</i>	<i>Daucus carota</i>	DCARv2_Ch4	22620815	22621417
<i>DCAR_014416</i>	<i>Daucus carota</i>	DCARv2_Ch4	22061047	22062202
<i>DCAR_014417</i>	<i>Daucus carota</i>	DCARv2_Ch4	22060231	22060950
<i>DCAR_015713</i>	<i>Daucus carota</i>	DCARv2_Ch4	8759751	8760122
<i>DCAR_016273</i>	<i>Daucus carota</i>	DCARv2_Ch5	1844483	1844884
<i>DCAR_016274</i>	<i>Daucus carota</i>	DCARv2_Ch5	1850971	1851426
<i>DCAR_016902</i>	<i>Daucus carota</i>	DCARv2_Ch5	8993239	8993772

Table S2

DCAR_017566	<i>Daucus carota</i>	DCARv2_Chr5	20975820	20976128
DCAR_019562	<i>Daucus carota</i>	DCARv2_Chr5	40096873	40097517
DCAR_019636	<i>Daucus carota</i>	DCARv2_Chr5	40681965	40682252
DCAR_020574	<i>Daucus carota</i>	DCARv2_Chr6	30198073	30198564
DCAR_020610	<i>Daucus carota</i>	DCARv2_Chr6	29887840	29888400
DCAR_021057	<i>Daucus carota</i>	DCARv2_Chr6	26183966	26184271
DCAR_021260	<i>Daucus carota</i>	DCARv2_Chr6	24622348	24622944
DCAR_021355	<i>Daucus carota</i>	DCARv2_Chr6	23771056	23771670
DCAR_023208	<i>Daucus carota</i>	DCARv2_Chr6	676011	676694
DCAR_024218	<i>Daucus carota</i>	DCARv2_Chr7	10825863	10826573
DCAR_025326	<i>Daucus carota</i>	DCARv2_Chr7	26068523	26069140
DCAR_026737	<i>Daucus carota</i>	DCARv2_Chr8	29206647	29207198
DCAR_028062	<i>Daucus carota</i>	DCARv2_Chr8	15576599	15577273
DCAR_029592	<i>Daucus carota</i>	DCARv2_Chr9	9499241	9499579
Eucgr.A02182	<i>Eucalyptus grandis</i>	Chr01	37113647	37114778
Eucgr.A02242	<i>Eucalyptus grandis</i>	Chr01	37821284	37822147
Eucgr.A02450	<i>Eucalyptus grandis</i>	Chr01	39836460	39837326
Eucgr.A02544	<i>Eucalyptus grandis</i>	Chr01	40671118	40671423
Eucgr.B00035	<i>Eucalyptus grandis</i>	Chr06	35375963	35378557
Eucgr.C02621	<i>Eucalyptus grandis</i>	Chr03	51875030	51875674
Eucgr.C02629	<i>Eucalyptus grandis</i>	Chr03	51927510	51928462
Eucgr.D00026	<i>Eucalyptus grandis</i>	Chr04	216578	217627
Eucgr.D00026	<i>Eucalyptus grandis</i>	Chr04	215594	217627
Eucgr.D02200	<i>Eucalyptus grandis</i>	Chr04	35568137	35570178
Eucgr.F00302	<i>Eucalyptus grandis</i>	Chr06	5689343	5690714
Eucgr.F00371	<i>Eucalyptus grandis</i>	Chr06	5040555	5041763
Eucgr.F01148	<i>Eucalyptus grandis</i>	Chr06	15726039	15727038
Eucgr.F01407	<i>Eucalyptus grandis</i>	Chr06	19292825	19293671
Eucgr.F01408	<i>Eucalyptus grandis</i>	Chr06	19298931	19299260
Eucgr.F02723	<i>Eucalyptus grandis</i>	Chr06	39354381	39355067
Eucgr.F03907	<i>Eucalyptus grandis</i>	Chr06	49847862	49848569
Eucgr.G02312	<i>Eucalyptus grandis</i>	Chr07	43757342	43758655
Eucgr.G03218	<i>Eucalyptus grandis</i>	Chr07	52999148	52999886
Eucgr.H02317	<i>Eucalyptus grandis</i>	Chr08	29626932	29627764
Eucgr.H02318	<i>Eucalyptus grandis</i>	Chr08	29632300	29632908
Eucgr.H02319	<i>Eucalyptus grandis</i>	Chr08	29636679	29638276
Eucgr.H04261	<i>Eucalyptus grandis</i>	Chr08	57364319	57364817
Eucgr.H04807	<i>Eucalyptus grandis</i>	Chr08	67074212	67075837
Eucgr.I00016	<i>Eucalyptus grandis</i>	Chr09	223638	224213
Eucgr.I00226	<i>Eucalyptus grandis</i>	Chr09	4661485	4662947
Eucgr.K01342	<i>Eucalyptus grandis</i>	Chr11	16771278	16772474
Eucgr.K01686	<i>Eucalyptus grandis</i>	Chr11	19466093	19467503
evm.TU.contig_35103	<i>Carica papaya</i>	contig_35103	2783	3391
evm.TU.contig_39771	<i>Carica papaya</i>	contig_39771	19	701
evm.TU.supercontig_1	<i>Carica papaya</i>	supercontig_1	572889	573437
evm.TU.supercontig_129	<i>Carica papaya</i>	supercontig_129	754778	755380
evm.TU.supercontig_148	<i>Carica papaya</i>	supercontig_148	562698	563442
evm.TU.supercontig_162	<i>Carica papaya</i>	supercontig_162	36793	37182
evm.TU.supercontig_17	<i>Carica papaya</i>	supercontig_17	107298	107645
evm.TU.supercontig_189	<i>Carica papaya</i>	supercontig_189	16803	17779
evm.TU.supercontig_2	<i>Carica papaya</i>	supercontig_2	2767619	2768176
evm.TU.supercontig_2579	<i>Carica papaya</i>	supercontig_2579	2413	2748
evm.TU.supercontig_27	<i>Carica papaya</i>	supercontig_27	351979	352812
evm.TU.supercontig_3	<i>Carica papaya</i>	supercontig_3	3603897	3604613
evm.TU.supercontig_30	<i>Carica papaya</i>	supercontig_30	1690330	1691040
evm.TU.supercontig_30	<i>Carica papaya</i>	supercontig_30	1707944	1708495
evm.TU.supercontig_33	<i>Carica papaya</i>	supercontig_33	1860672	1861343
evm.TU.supercontig_36	<i>Carica papaya</i>	supercontig_36	960055	961404

Table S2

<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_36	1236238	1237314
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_42	1041214	1041807
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_49	331828	332241
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_49	340756	341478
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_5	1416914	1417462
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_568	9364	10848
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_71	1059159	1060157
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_8	2046215	2046994
<i>evm.TU.supercontig_ Carica papaya</i>	supercontig_80	570809	571582
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00002	4628951	4629823
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00004	2267431	2268150
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00010	2891832	2892812
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00014	5280287	5280670
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00019	818411	818989
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00024	5753895	5754503
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00030	2074031	2074645
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00058	4510012	4510278
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00065	1737311	1737790
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00073	2547671	2548456
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00079	1632707	1633330
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00095	2948215	2948856
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00095	700786	701160
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00099	1326801	1327535
<i>evm_27.TU.AmTr_v1.Amborella trichopoda</i>	AmTr_v1.0_scaffold00183	260284	260751
<i>gene00230-v1.0-hybr.Fragaria vesca</i>	LG6	3509186	3509932
<i>gene02352-v1.0-hybr.Fragaria vesca</i>	LG3	8950952	8951329
<i>gene02378-v1.0-hybr.Fragaria vesca</i>	LG3	5408370	5409131
<i>gene03724-v1.0-hybr.Fragaria vesca</i>	LG4	25161674	25162408
<i>gene05795-v1.0-hybr.Fragaria vesca</i>	LG1	15137546	15138079
<i>gene11973-v1.0-hybr.Fragaria vesca</i>	LG5	23784866	23785858
<i>gene12350-v1.0-hybr.Fragaria vesca</i>	unanchored	11462621	11463181
<i>gene14221-v1.0-hybr.Fragaria vesca</i>	LG7	6613976	6614374
<i>gene15994-v1.0-hybr.Fragaria vesca</i>	LG6	22989178	22989765
<i>gene16338-v1.0-hybr.Fragaria vesca</i>	LG1	18751864	18753246
<i>gene16601-v1.0-hybr.Fragaria vesca</i>	LG6	356206	356601
<i>gene17096-v1.0-hybr.Fragaria vesca</i>	LG4	6739897	6745549
<i>gene17872-v1.0-hybr.Fragaria vesca</i>	LG1	12887614	12888429
<i>gene18133-v1.0-hybr.Fragaria vesca</i>	LG6	17840134	17840580
<i>gene19985-v1.0-hybr.Fragaria vesca</i>	LG3	7372485	7373201
<i>gene21583-v1.0-hybr.Fragaria vesca</i>	LG6	10183937	10184386
<i>gene22130-v1.0-hybr.Fragaria vesca</i>	LG5	27235620	27236900
<i>gene22640-v1.0-hybr.Fragaria vesca</i>	LG6	18793588	18794142
<i>gene22762-v1.0-hybr.Fragaria vesca</i>	LG4	20408371	20409318
<i>gene24219-v1.0-hybr.Fragaria vesca</i>	LG6	30980995	30981720
<i>gene25153-v1.0-hybr.Fragaria vesca</i>	LG5	6574758	6575447
<i>gene26510-v1.0-hybr.Fragaria vesca</i>	LG1	3368020	3371633
<i>gene32666-v1.0-hybr.Fragaria vesca</i>	LG2	5336158	5338705
<i>Gorai.001G039000 Gossypium raimondii</i>	Chr01	3638826	3639500
<i>Gorai.001G093400 Gossypium raimondii</i>	Chr01	10392223	10393758
<i>Gorai.002G038600 Gossypium raimondii</i>	Chr02	3085749	3086317
<i>Gorai.002G069400 Gossypium raimondii</i>	Chr02	8048653	8050042
<i>Gorai.002G069400 Gossypium raimondii</i>	Chr02	8048444	8050064
<i>Gorai.002G069400 Gossypium raimondii</i>	Chr02	8048444	8050064
<i>Gorai.002G139900 Gossypium raimondii</i>	Chr02	24266863	24268840
<i>Gorai.002G154000 Gossypium raimondii</i>	Chr02	31609529	31609955
<i>Gorai.002G224500 Gossypium raimondii</i>	Chr02	58000003	58000651
<i>Gorai.002G226300 Gossypium raimondii</i>	Chr02	58252023	58253235
<i>Gorai.002G233400 Gossypium raimondii</i>	Chr02	59303577	59304105

Table S2

Gorai.003G089500	<i>Gossypium raimondii</i>	Chr03	25751332	25752625
Gorai.003G181800	<i>Gossypium raimondii</i>	Chr03	45341646	45343844
Gorai.003G181800	<i>Gossypium raimondii</i>	Chr03	45341646	45343914
Gorai.003G181800	<i>Gossypium raimondii</i>	Chr03	45341646	45343914
Gorai.004G112000	<i>Gossypium raimondii</i>	Chr04	25584480	25585145
Gorai.004G185400	<i>Gossypium raimondii</i>	Chr04	49963794	49964957
Gorai.006G068000	<i>Gossypium raimondii</i>	Chr06	27358431	27359021
Gorai.006G142700	<i>Gossypium raimondii</i>	Chr06	40062726	40063143
Gorai.006G216500	<i>Gossypium raimondii</i>	Chr06	46953841	46955151
Gorai.007G056800	<i>Gossypium raimondii</i>	Chr07	4000985	4001943
Gorai.007G173300	<i>Gossypium raimondii</i>	Chr07	15926361	15927074
Gorai.007G174400	<i>Gossypium raimondii</i>	Chr07	16114297	16114767
Gorai.007G225500	<i>Gossypium raimondii</i>	Chr07	27046228	27047158
Gorai.007G240000	<i>Gossypium raimondii</i>	Chr07	32987122	32988679
Gorai.007G351100	<i>Gossypium raimondii</i>	Chr07	58139987	58140767
Gorai.007G351200	<i>Gossypium raimondii</i>	Chr07	58141334	58142323
Gorai.007G352700	<i>Gossypium raimondii</i>	Chr07	58326332	58327385
Gorai.008G000200	<i>Gossypium raimondii</i>	Chr08	40910	42234
Gorai.008G049400	<i>Gossypium raimondii</i>	Chr08	6919683	6920321
Gorai.008G049600	<i>Gossypium raimondii</i>	Chr08	6985375	6986635
Gorai.008G049600	<i>Gossypium raimondii</i>	Chr08	6985342	6986635
Gorai.008G084600	<i>Gossypium raimondii</i>	Chr08	18235440	18236008
Gorai.008G104800	<i>Gossypium raimondii</i>	Chr08	32632567	32634655
Gorai.009G064400	<i>Gossypium raimondii</i>	Chr09	4585317	4586353
Gorai.009G154700	<i>Gossypium raimondii</i>	Chr09	11863296	11863731
Gorai.009G168800	<i>Gossypium raimondii</i>	Chr09	12994913	12995930
Gorai.009G238300	<i>Gossypium raimondii</i>	Chr09	18923832	18925025
Gorai.009G281800	<i>Gossypium raimondii</i>	Chr09	23846494	23847294
Gorai.009G347500	<i>Gossypium raimondii</i>	Chr09	42996266	42997147
Gorai.009G384400	<i>Gossypium raimondii</i>	Chr09	52148752	52150015
Gorai.010G038300	<i>Gossypium raimondii</i>	Chr10	3571492	3574060
Gorai.010G042200	<i>Gossypium raimondii</i>	Chr10	3936551	3938464
Gorai.010G042200	<i>Gossypium raimondii</i>	Chr10	3936021	3938688
Gorai.010G119600	<i>Gossypium raimondii</i>	Chr10	24000804	24001806
Gorai.010G154500	<i>Gossypium raimondii</i>	Chr10	42421834	42423240
Gorai.011G044800	<i>Gossypium raimondii</i>	Chr11	3360599	3361238
Gorai.011G113000	<i>Gossypium raimondii</i>	Chr11	14227178	14229131
Gorai.011G116000	<i>Gossypium raimondii</i>	Chr11	15178174	15179308
Gorai.011G121400	<i>Gossypium raimondii</i>	Chr11	16780669	16783565
Gorai.011G217100	<i>Gossypium raimondii</i>	Chr11	52270072	52270818
Gorai.012G018900	<i>Gossypium raimondii</i>	Chr12	2257419	2258087
Gorai.013G186400	<i>Gossypium raimondii</i>	Chr13	48615105	48615437
GSMUA_Achr10G01: <i>Musa acuminata</i>		chr10	3649423	3649848
GSMUA_Achr10G01: <i>Musa acuminata</i>		chr10	3691936	3692529
GSMUA_Achr10G09: <i>Musa acuminata</i>		chr10	19283971	19284588
GSMUA_Achr10G14: <i>Musa acuminata</i>		chr10	22483722	22484438
GSMUA_Achr10G14: <i>Musa acuminata</i>		chr10	22674791	22675096
GSMUA_Achr11G10: <i>Musa acuminata</i>		chr11	7932669	7933034
GSMUA_Achr11G13: <i>Musa acuminata</i>		chr11	13357098	13357937
GSMUA_Achr1G209: <i>Musa acuminata</i>		chr1	15811157	15812051
GSMUA_Achr2G011: <i>Musa acuminata</i>		chr2	6335388	6336023
GSMUA_Achr2G025: <i>Musa acuminata</i>		chr2	8367836	8368703
GSMUA_Achr2G172: <i>Musa acuminata</i>		chr2	17835083	17835678
GSMUA_Achr2G221: <i>Musa acuminata</i>		chr2	21348507	21354969
GSMUA_Achr3G094: <i>Musa acuminata</i>		chr3	6788170	6788769
GSMUA_Achr3G198: <i>Musa acuminata</i>		chr3	21134104	21134724
GSMUA_Achr3G213: <i>Musa acuminata</i>		chr3	22323258	22324642
GSMUA_Achr4G025: <i>Musa acuminata</i>		chr4	2211540	2212585

Table S2

GSMUA_Achr4G104	Musa acuminata	chr4	7571839	7572474
GSMUA_Achr4G190	Musa acuminata	chr4	20125588	20133442
GSMUA_Achr4G273	Musa acuminata	chr4	26183378	26187950
GSMUA_Achr5G034	Musa acuminata	chr5	2377062	2378006
GSMUA_Achr5G077	Musa acuminata	chr5	5588907	5589563
GSMUA_Achr5G276	Musa acuminata	chr5	28103236	28109273
GSMUA_Achr6G020	Musa acuminata	chr6	1318572	1319378
GSMUA_Achr6G041	Musa acuminata	chr6	2814957	2816126
GSMUA_Achr6G130	Musa acuminata	chr6	8733188	8733889
GSMUA_Achr6G144	Musa acuminata	chr6	9513192	9513485
GSMUA_Achr6G320	Musa acuminata	chr6	31615018	31615721
GSMUA_Achr7G025	Musa acuminata	chr7	1986357	1986746
GSMUA_Achr7G032	Musa acuminata	chr7	2562804	2563457
GSMUA_Achr7G064	Musa acuminata	chr7	4722238	4722603
GSMUA_Achr7G078	Musa acuminata	chr7	5797001	5797471
GSMUA_Achr7G137	Musa acuminata	chr7	11046754	11047500
GSMUA_Achr7G191	Musa acuminata	chr7	21975468	21978593
GSMUA_Achr8G057	Musa acuminata	chr8	3763077	3767225
GSMUA_Achr8G181	Musa acuminata	chr8	21243917	21244684
GSMUA_Achr8G186	Musa acuminata	chr8	23154198	23155208
GSMUA_Achr8G215	Musa acuminata	chr8	26428085	26428877
GSMUA_Achr9G058	Musa acuminata	chr9	3694390	3695404
GSMUA_Achr9G172	Musa acuminata	chr9	11824035	11824373
GSMUA_Achr9G308	Musa acuminata	chr9	33958017	33959149
GSMUA_AchrUn_rar	Musa acuminata	chrUn_random	79129485	79130111
GSMUA_AchrUn_rar	Musa acuminata	chrUn_random	105894805	105895679
GSMUA_AchrUn_rar	Musa acuminata	chrUn_random	113307788	113308525
GSMUA_AchrUn_rar	Musa acuminata	chrUn_random	121966782	121967264
Lus10004172.g	Linum usitatissimum	scaffold2404	125224	126024
Lus10005523.g	Linum usitatissimum	scaffold290	75463	75990
Lus10005543.g	Linum usitatissimum	scaffold2324	16526	17284
Lus10006569.g	Linum usitatissimum	scaffold1202	178020	178550
Lus10006941.g	Linum usitatissimum	scaffold253	138913	140124
Lus10008659.g	Linum usitatissimum	scaffold1635	44551	44928
Lus10009033.g	Linum usitatissimum	scaffold883	179322	179987
Lus10010346.g	Linum usitatissimum	scaffold732	319294	320067
Lus10010347.g	Linum usitatissimum	scaffold732	323059	323421
Lus10011555.g	Linum usitatissimum	scaffold260	296672	297124
Lus10012286.g	Linum usitatissimum	scaffold273	405252	405470
Lus10012292.g	Linum usitatissimum	scaffold273	446740	448185
Lus10015315.g	Linum usitatissimum	scaffold924	459794	460537
Lus10015982.g	Linum usitatissimum	scaffold172	68770	69495
Lus10016205.g	Linum usitatissimum	scaffold947	199969	200721
Lus10016814.g	Linum usitatissimum	scaffold903	612690	613211
Lus10018519.g	Linum usitatissimum	scaffold1308	146596	147237
Lus10019270.g	Linum usitatissimum	scaffold377	276342	276836
Lus10020092.g	Linum usitatissimum	scaffold454	6891	7463
Lus10021054.g	Linum usitatissimum	scaffold155	306070	306840
Lus10022005.g	Linum usitatissimum	scaffold87	275850	276257
Lus10023308.g	Linum usitatissimum	scaffold98	460382	460720
Lus10024139.g	Linum usitatissimum	scaffold353	726228	726743
Lus10024738.g	Linum usitatissimum	scaffold320	169870	170934
Lus10026165.g	Linum usitatissimum	scaffold319	983787	984161
Lus10026247.g	Linum usitatissimum	scaffold898	309235	309855
Lus10027279.g	Linum usitatissimum	scaffold472	611141	611707
Lus10029339.g	Linum usitatissimum	scaffold360	743700	745891
Lus10029768.g	Linum usitatissimum	scaffold418	1126810	1127376
Lus10036438.g	Linum usitatissimum	scaffold57	643691	644197

Table S2

<i>Lus10036479.g</i>	<i>Linum usitatissimum</i>	scaffold57	809165	809971
<i>Lus10036480.g</i>	<i>Linum usitatissimum</i>	scaffold57	819667	820776
<i>Lus10038502.g</i>	<i>Linum usitatissimum</i>	scaffold28	1666263	1666622
<i>Lus10038985.g</i>	<i>Linum usitatissimum</i>	scaffold34	1133910	1134476
<i>Lus10039493.g</i>	<i>Linum usitatissimum</i>	scaffold15	33858	34346
<i>Lus10039494.g</i>	<i>Linum usitatissimum</i>	scaffold15	39990	40478
<i>Lus10039654.g</i>	<i>Linum usitatissimum</i>	scaffold15	1020951	1021700
<i>Lus10039737.g</i>	<i>Linum usitatissimum</i>	scaffold15	1418084	1418722
<i>Lus10041112.g</i>	<i>Linum usitatissimum</i>	scaffold280	1015614	1016120
<i>Lus10041929.g</i>	<i>Linum usitatissimum</i>	scaffold123	16113	16853
<i>Lus10042423.g</i>	<i>Linum usitatissimum</i>	scaffold123	2099300	2099923
<i>Lus10042794.g</i>	<i>Linum usitatissimum</i>	scaffold67	2113313	2113732
<i>Manes.01G010900</i>	<i>Manihot esculenta</i>	Chromosome01	1957364	1958047
<i>Manes.01G233900</i>	<i>Manihot esculenta</i>	Chromosome01	31617045	31618639
<i>Manes.02G149700</i>	<i>Manihot esculenta</i>	Chromosome02	11096736	11097803
<i>Manes.02G153400</i>	<i>Manihot esculenta</i>	Chromosome02	11507943	11508986
<i>Manes.02G176600</i>	<i>Manihot esculenta</i>	Chromosome02	14172705	14173841
<i>Manes.03G074500</i>	<i>Manihot esculenta</i>	Chromosome03	10193479	10194511
<i>Manes.03G109400</i>	<i>Manihot esculenta</i>	Chromosome03	20050569	20051977
<i>Manes.04G110500</i>	<i>Manihot esculenta</i>	Chromosome04	24466608	24467189
<i>Manes.04G157400</i>	<i>Manihot esculenta</i>	Chromosome04	28002483	28003304
<i>Manes.05G009900</i>	<i>Manihot esculenta</i>	Chromosome05	659403	661845
<i>Manes.05G009900</i>	<i>Manihot esculenta</i>	Chromosome05	659393	661788
<i>Manes.05G009900</i>	<i>Manihot esculenta</i>	Chromosome05	659403	661788
<i>Manes.06G067000</i>	<i>Manihot esculenta</i>	Chromosome06	18068109	18068705
<i>Manes.08G037400</i>	<i>Manihot esculenta</i>	Chromosome08	3433427	3433756
<i>Manes.08G065900</i>	<i>Manihot esculenta</i>	Chromosome08	8853040	8854127
<i>Manes.08G137000</i>	<i>Manihot esculenta</i>	Chromosome08	30312303	30312668
<i>Manes.08G137100</i>	<i>Manihot esculenta</i>	Chromosome08	30317556	30317942
<i>Manes.09G001100</i>	<i>Manihot esculenta</i>	Chromosome09	136322	137303
<i>Manes.09G004900</i>	<i>Manihot esculenta</i>	Chromosome09	1065966	1066768
<i>Manes.09G035200</i>	<i>Manihot esculenta</i>	Chromosome09	4923819	4924805
<i>Manes.09G150100</i>	<i>Manihot esculenta</i>	Chromosome09	26706449	26706856
<i>Manes.10G152200</i>	<i>Manihot esculenta</i>	Chromosome10	26201392	26201859
<i>Manes.11G007000</i>	<i>Manihot esculenta</i>	Chromosome11	745790	746631
<i>Manes.11G059000</i>	<i>Manihot esculenta</i>	Chromosome11	5775444	5776584
<i>Manes.12G081300</i>	<i>Manihot esculenta</i>	Chromosome12	9548387	9549756
<i>Manes.12G116300</i>	<i>Manihot esculenta</i>	Chromosome12	26816251	26816820
<i>Manes.12G136100</i>	<i>Manihot esculenta</i>	Chromosome12	29052990	29055396
<i>Manes.12G152600</i>	<i>Manihot esculenta</i>	Chromosome12	31040220	31040921
<i>Manes.13G093500</i>	<i>Manihot esculenta</i>	Chromosome13	19275821	19278110
<i>Manes.13G109800</i>	<i>Manihot esculenta</i>	Chromosome13	23690200	23691060
<i>Manes.14G103400</i>	<i>Manihot esculenta</i>	Chromosome14	8407513	8408157
<i>Manes.15G087700</i>	<i>Manihot esculenta</i>	Chromosome15	6411567	6413162
<i>Manes.15G122000</i>	<i>Manihot esculenta</i>	Chromosome15	9235521	9236417
<i>Manes.16G028900</i>	<i>Manihot esculenta</i>	Chromosome16	3006644	3008231
<i>Manes.16G083700</i>	<i>Manihot esculenta</i>	Chromosome16	24060638	24061141
<i>Manes.16G132000</i>	<i>Manihot esculenta</i>	Chromosome16	28193885	28194421
<i>Manes.17G046600</i>	<i>Manihot esculenta</i>	Chromosome17	18361605	18362761
<i>Manes.17G070600</i>	<i>Manihot esculenta</i>	Chromosome17	20992545	20993093
<i>Manes.18G070800</i>	<i>Manihot esculenta</i>	Chromosome18	6071939	6072511
<i>Manes.S050000</i>	<i>Manihot esculenta</i>	Scaffold00994	60398	61487
<i>Manes.S072900</i>	<i>Manihot esculenta</i>	Scaffold01201	30511	31101
<i>Manes.S089300</i>	<i>Manihot esculenta</i>	Scaffold01392	20081	20829
<i>MDP0000122563</i>	<i>Malus domestica</i>	MDC005944.589	12959	13735
<i>MDP0000127852</i>	<i>Malus domestica</i>	MDC013556.545	12592	13269
<i>MDP0000130738</i>	<i>Malus domestica</i>	MDC018913.57	3011	3796
<i>MDP0000136351</i>	<i>Malus domestica</i>	MDC007650.539	967	1626

Table S2

MDP0000148283	<i>Malus domestica</i>	MDC007489.200	12561	13794
MDP0000148903	<i>Malus domestica</i>	MDC005944.403	2509	3303
MDP0000152343	<i>Malus domestica</i>	MDC011891.338	2555	2959
MDP0000154438	<i>Malus domestica</i>	MDC039631.9	2009	2989
MDP0000159948	<i>Malus domestica</i>	MDC000216.352	17056	17844
MDP0000172223	<i>Malus domestica</i>	MDC002920.175	1364	1942
MDP0000176426	<i>Malus domestica</i>	MDC007216.431	6444	7603
MDP0000179253	<i>Malus domestica</i>	MDC005932.140	1556	2059
MDP0000179796	<i>Malus domestica</i>	MDC006484.324	1933	2340
MDP0000182585	<i>Malus domestica</i>	MDC007649.204	6202	6519
MDP0000182830	<i>Malus domestica</i>	MDC007963.100	929	2185
MDP0000183958	<i>Malus domestica</i>	MDC008307.239	492	1270
MDP0000193206	<i>Malus domestica</i>	MDC010400.331	158	904
MDP0000210996	<i>Malus domestica</i>	MDC016275.391	8283	9516
MDP0000216667	<i>Malus domestica</i>	MDC020990.323	2185	3534
MDP0000219970	<i>Malus domestica</i>	MDC023041.57	9301	10904
MDP0000227657	<i>Malus domestica</i>	MDC030946.7	5008	5679
MDP0000247951	<i>Malus domestica</i>	MDC000140.134	64996	70497
MDP0000248043	<i>Malus domestica</i>	MDC002948.92	18152	18697
MDP0000261758	<i>Malus domestica</i>	MDC018989.79	36407	39347
MDP0000264361	<i>Malus domestica</i>	MDC002488.213	4810	5445
MDP0000274905	<i>Malus domestica</i>	MDC003165.207	2451	6779
MDP0000278259	<i>Malus domestica</i>	MDC008307.240	6056	14342
MDP0000284090	<i>Malus domestica</i>	MDC007628.679	2533	16137
MDP0000295494	<i>Malus domestica</i>	MDC011603.246	17662	22571
MDP0000312336	<i>Malus domestica</i>	MDC019715.103	12727	13251
MDP0000340025	<i>Malus domestica</i>	MDC018226.184	4546	4968
MDP0000346969	<i>Malus domestica</i>	MDC016797.262	5451	5993
MDP0000348190	<i>Malus domestica</i>	MDC001315.773	19301	19915
MDP0000467241	<i>Malus domestica</i>	MDC017708.244	8442	9785
MDP0000478954	<i>Malus domestica</i>	MDC009316.433	10686	11393
MDP0000514448	<i>Malus domestica</i>	MDC006191.181	3706	4305
MDP0000564427	<i>Malus domestica</i>	MDC005944.592	9238	10032
MDP0000566117	<i>Malus domestica</i>	MDC004936.114	898	11600
MDP0000624279	<i>Malus domestica</i>	MDC005778.440	253	801
MDP0000713750	<i>Malus domestica</i>	MDC006022.710	6795	7361
MDP0000772371	<i>Malus domestica</i>	MDC008280.313	31	1014
MDP0000805273	<i>Malus domestica</i>	MDC000200.352	1867	2619
MDP0000833431	<i>Malus domestica</i>	MDC008272.442	1011	1418
MDP0000856686	<i>Malus domestica</i>	MDC019799.274	25720	26205
MDP0000868063	<i>Malus domestica</i>	MDC020164.56	3434	4369
MDP0000881505	<i>Malus domestica</i>	MDC018041.236	13616	14368
MDP0000885511	<i>Malus domestica</i>	MDC002975.216	22993	23382
MDP0000893506	<i>Malus domestica</i>	MDC010932.713	30969	31739
MDP0000925584	<i>Malus domestica</i>	MDC000987.661	12685	13275
Medtr1g028910	<i>Medicago truncatula</i>	chr1	9847443	9848042
Medtr1g028920	<i>Medicago truncatula</i>	chr1	9855883	9856191
Medtr1g054055	<i>Medicago truncatula</i>	chr1	23040618	23041237
Medtr1g110570	<i>Medicago truncatula</i>	chr1	49891664	49892623
Medtr2g013950	<i>Medicago truncatula</i>	chr2	3839731	3840815
Medtr2g019320	<i>Medicago truncatula</i>	chr2	6269503	6270082
Medtr2g035850	<i>Medicago truncatula</i>	chr2	15214004	15215247
Medtr2g061720	<i>Medicago truncatula</i>	chr2	26182404	26183236
Medtr2g070550	<i>Medicago truncatula</i>	chr2	29736749	29737159
Medtr2g079120	<i>Medicago truncatula</i>	chr2	33154057	33155261
Medtr3g013980	<i>Medicago truncatula</i>	chr3	3851224	3851618
Medtr3g081500	<i>Medicago truncatula</i>	chr3	36904409	36905059
Medtr3g087390	<i>Medicago truncatula</i>	chr3	39635830	39638412

Table S2

<i>Medtr3g090350</i>	<i>Medicago truncatula</i>	chr3	41104477	41105804
<i>Medtr3g099400</i>	<i>Medicago truncatula</i>	chr3	45563608	45565108
<i>Medtr4g009950</i>	<i>Medicago truncatula</i>	chr4	2137715	2138666
<i>Medtr4g088695</i>	<i>Medicago truncatula</i>	chr4	35302060	35303299
<i>Medtr4g094698</i>	<i>Medicago truncatula</i>	chr4	38752751	38753724
<i>Medtr4g097280</i>	<i>Medicago truncatula</i>	chr4	40092375	40093365
<i>Medtr4g097350</i>	<i>Medicago truncatula</i>	chr4	40121292	40122380
<i>Medtr4g097360</i>	<i>Medicago truncatula</i>	chr4	40124928	40125519
<i>Medtr5g015190</i>	<i>Medicago truncatula</i>	chr5	5227392	5228070
<i>Medtr5g030570</i>	<i>Medicago truncatula</i>	chr5	12954070	12957762
<i>Medtr5g030570</i>	<i>Medicago truncatula</i>	chr5	12954070	12958319
<i>Medtr5g063310</i>	<i>Medicago truncatula</i>	chr5	26256801	26258739
<i>Medtr6g041990</i>	<i>Medicago truncatula</i>	chr6	14496963	14497256
<i>Medtr6g042010</i>	<i>Medicago truncatula</i>	chr6	14504568	14504918
<i>Medtr6g084200</i>	<i>Medicago truncatula</i>	chr6	31464916	31465653
<i>Medtr7g088620</i>	<i>Medicago truncatula</i>	chr7	34541954	34543335
<i>Medtr7g089860</i>	<i>Medicago truncatula</i>	chr7	35219206	35219959
<i>Medtr7g115420</i>	<i>Medicago truncatula</i>	chr7	47688748	47689116
<i>Medtr8g040080</i>	<i>Medicago truncatula</i>	chr8	14917344	14917700
<i>Medtr8g090290</i>	<i>Medicago truncatula</i>	chr8	37941341	37942366
<i>Medtr8g093335</i>	<i>Medicago truncatula</i>	chr8	38970208	38971355
<i>Medtr8g093390</i>	<i>Medicago truncatula</i>	chr8	39001408	39002292
<i>Medtr8g095470</i>	<i>Medicago truncatula</i>	chr8	39955742	39957108
<i>Medtr8g095470</i>	<i>Medicago truncatula</i>	chr8	39955693	39958398
<i>Medtr8g095470</i>	<i>Medicago truncatula</i>	chr8	39955742	39958827
<i>Migut.A00386</i>	<i>Mimulus guttatus</i>	scaffold_1	2005141	2005608
<i>Migut.B00886</i>	<i>Mimulus guttatus</i>	scaffold_2	5800545	5801109
<i>Migut.B01240</i>	<i>Mimulus guttatus</i>	scaffold_2	14580495	14580941
<i>Migut.B01401</i>	<i>Mimulus guttatus</i>	scaffold_2	16126833	16127321
<i>Migut.C00264</i>	<i>Mimulus guttatus</i>	scaffold_3	5826815	5827786
<i>Migut.C01025</i>	<i>Mimulus guttatus</i>	scaffold_3	16975271	16976076
<i>Migut.E00932</i>	<i>Mimulus guttatus</i>	scaffold_5	10279210	10280160
<i>Migut.H00333</i>	<i>Mimulus guttatus</i>	scaffold_8	1994872	1995357
<i>Migut.H00745</i>	<i>Mimulus guttatus</i>	scaffold_8	5062540	5063686
<i>Migut.H01482</i>	<i>Mimulus guttatus</i>	scaffold_8	16284273	16285407
<i>Migut.H02364</i>	<i>Mimulus guttatus</i>	scaffold_8	23762720	23764010
<i>Migut.H02540</i>	<i>Mimulus guttatus</i>	scaffold_8	24826627	24827959
<i>Migut.I00745</i>	<i>Mimulus guttatus</i>	scaffold_9	12543834	12544512
<i>Migut.J00487</i>	<i>Mimulus guttatus</i>	scaffold_10	2456535	2457323
<i>Migut.J01607</i>	<i>Mimulus guttatus</i>	scaffold_10	17680453	17681590
<i>Migut.J01657</i>	<i>Mimulus guttatus</i>	scaffold_10	18011997	18012899
<i>Migut.J01831</i>	<i>Mimulus guttatus</i>	scaffold_10	19032286	19032856
<i>Migut.K00136</i>	<i>Mimulus guttatus</i>	scaffold_11	610559	611035
<i>Migut.K00167</i>	<i>Mimulus guttatus</i>	scaffold_11	733210	734100
<i>Migut.L00113</i>	<i>Mimulus guttatus</i>	scaffold_12	795520	796799
<i>Migut.L00423</i>	<i>Mimulus guttatus</i>	scaffold_12	5751968	5752534
<i>Migut.L00424</i>	<i>Mimulus guttatus</i>	scaffold_12	5756380	5756955
<i>Migut.L01057</i>	<i>Mimulus guttatus</i>	scaffold_12	20996028	20996546
<i>Migut.M00092</i>	<i>Mimulus guttatus</i>	scaffold_13	545669	546629
<i>Migut.M00580</i>	<i>Mimulus guttatus</i>	scaffold_13	11001913	11002470
<i>Migut.M00647</i>	<i>Mimulus guttatus</i>	scaffold_13	14059183	14059509
<i>Migut.M00648</i>	<i>Mimulus guttatus</i>	scaffold_13	14076865	14077185
<i>Migut.M00649</i>	<i>Mimulus guttatus</i>	scaffold_13	14078268	14078515
<i>Migut.M00651</i>	<i>Mimulus guttatus</i>	scaffold_13	14126605	14126919
<i>Migut.M00652</i>	<i>Mimulus guttatus</i>	scaffold_13	14128631	14128903
<i>Migut.M00799</i>	<i>Mimulus guttatus</i>	scaffold_13	15330447	15331172
<i>Migut.M01133</i>	<i>Mimulus guttatus</i>	scaffold_13	17086516	17087660
<i>Migut.M02002</i>	<i>Mimulus guttatus</i>	scaffold_13	21116339	21117061

Table S2

Migut.N01656	<i>Mimulus guttatus</i>	scaffold_14	14400527	14401947
Migut.N01854	<i>Mimulus guttatus</i>	scaffold_14	15686810	15687238
Migut.N02882	<i>Mimulus guttatus</i>	scaffold_14	23939619	23941059
orange1.1g012250m.1	<i>Citrus sinensis</i>	scaffold00099	255740	257628
orange1.1g014412m.1	<i>Citrus sinensis</i>	scaffold00004	1445342	1446619
orange1.1g021088m.1	<i>Citrus sinensis</i>	scaffold00004	1768999	1771843
orange1.1g021088m.1	<i>Citrus sinensis</i>	scaffold00004	1768999	1771843
orange1.1g021088m.1	<i>Citrus sinensis</i>	scaffold00004	1768999	1771843
orange1.1g021088m.1	<i>Citrus sinensis</i>	scaffold00004	1768999	1771843
orange1.1g026455m.1	<i>Citrus sinensis</i>	scaffold00091	343444	344588
orange1.1g026721m.1	<i>Citrus sinensis</i>	scaffold00036	854056	855601
orange1.1g027415m.1	<i>Citrus sinensis</i>	scaffold00078	412770	413682
orange1.1g027535m.1	<i>Citrus sinensis</i>	scaffold00305	158073	158858
orange1.1g029381m.1	<i>Citrus sinensis</i>	scaffold00006	800521	801275
orange1.1g030720m.1	<i>Citrus sinensis</i>	scaffold00074	423159	425823
orange1.1g030720m.1	<i>Citrus sinensis</i>	scaffold00074	422882	425823
orange1.1g031928m.1	<i>Citrus sinensis</i>	scaffold00553	37694	38260
orange1.1g033523m.1	<i>Citrus sinensis</i>	scaffold00007	1650471	1651115
orange1.1g038337m.1	<i>Citrus sinensis</i>	scaffold00008	574065	574604
orange1.1g039986m.1	<i>Citrus sinensis</i>	scaffold00008	1373926	1374606
orange1.1g040034m.1	<i>Citrus sinensis</i>	scaffold00025	847904	848368
orange1.1g041172m.1	<i>Citrus sinensis</i>	scaffold00072	99012	99437
orange1.1g041571m.1	<i>Citrus sinensis</i>	scaffold00339	16227	17234
orange1.1g044039m.1	<i>Citrus sinensis</i>	scaffold00356	60866	61252
orange1.1g044113m.1	<i>Citrus sinensis</i>	scaffold00018	1679168	1679629
orange1.1g045610m.1	<i>Citrus sinensis</i>	scaffold00002	483571	484431
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	6637087	6637560
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	6681508	6682122
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2816044	2816649
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	3494293	3494766
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	5800605	5801903
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	562993	563580
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1392192	1392935
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2703470	2707164
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	840858	841466
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2807365	2808639
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2350787	2351245
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1576636	1577007
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	810937	813717
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	270780	271682
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2346176	2346871
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	3620718	3621368
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	2237915	2238805
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1692174	1692410
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	717098	717829
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	97682	98425
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	678267	678950
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	145652	146221
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	571880	572548
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1981958	1982356
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1412473	1413126
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1758651	1759406
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	172611	173288
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	470549	471124
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1384288	1384593
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1018784	1019611
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	1573314	1573721
Oropetium_20150105	<i>Oropetium thomaeum</i>	Oropetium_genomic_20141	254710	255075

Table S2

<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	105432	105884
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	1976	2527
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	90187	90681
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	35017	35580
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	15888	16346
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	502	1085
<i>Oropetium_20150105 Oropetium thomaeum</i>	<i>Oropetium_genomic_20141</i>	25360	26010
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	58797800	58798630
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch11	6423951	6424259
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	51268311	51269672
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch06	44749122	44750159
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch06	44749122	44750159
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch09	4200101	4200778
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch02	22625866	22626681
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch01	74238678	74239172
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch03	58945995	58946483
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	59556146	59556781
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	1092570	1102551
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	59222091	59222519
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	59222091	59222423
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	55283358	55284344
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	55283358	55284344
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch02	27170481	27171077
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	56317475	56317915
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch07	41503400	41503873
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch07	41503400	41503936
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch09	4273386	4273997
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch09	4290266	4290805
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch03	57317009	57317509
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch02	15572377	15572964
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch06	43419764	43421381
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch06	43419764	43420501
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	62977420	62978793
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch05	50792878	50793213
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	57492633	57493154
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	5449162	5449431
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	5446059	5446337
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch07	51841107	51841430
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	56872795	56873466
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	49719801	49720548
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch12	49719801	49720133
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch11	6991798	6992487
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch01	66962853	66963320
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch02	33798135	33798923
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch10	2698123	2698842
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch08	49631734	49632849
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch07	53133434	53134126
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch07	51242374	51242880
<i>PGSC0003DMG4000 Solanum tuberosum</i>	ST4.03ch04	64029228	64030193
<i>PGSC0003DMG4010 Solanum tuberosum</i>	ST4.03ch06	50793226	50794152
<i>Potri.001G029700 Populus trichocarpa</i>	Chr01	2186522	2187295
<i>Potri.001G130300 Populus trichocarpa</i>	Chr01	10520583	10520941
<i>Potri.001G142400 Populus trichocarpa</i>	Chr01	11493369	11494939
<i>Potri.001G158800 Populus trichocarpa</i>	Chr01	13225758	13226690
<i>Potri.001G230800 Populus trichocarpa</i>	Chr01	24286048	24286941
<i>Potri.001G230800 Populus trichocarpa</i>	Chr01	24286048	24286941
<i>Potri.001G378300 Populus trichocarpa</i>	Chr01	39400955	39401393
<i>Potri.001G399100 Populus trichocarpa</i>	Chr01	42015598	42016722

Table S2

Potri.002G070600	<i>Populus trichocarpa</i>	Chr02	4877302	4878531
Potri.002G094900	<i>Populus trichocarpa</i>	Chr02	6835088	6837213
Potri.002G099900	<i>Populus trichocarpa</i>	Chr02	7209578	7211686
Potri.003G075800	<i>Populus trichocarpa</i>	Chr03	10433665	10434499
Potri.003G091800	<i>Populus trichocarpa</i>	Chr03	11906118	11908575
Potri.003G194700	<i>Populus trichocarpa</i>	Chr03	19815407	19816443
Potri.004G044800	<i>Populus trichocarpa</i>	Chr04	3413662	3414922
Potri.004G071500	<i>Populus trichocarpa</i>	Chr04	6001274	6001710
Potri.004G134200	<i>Populus trichocarpa</i>	Chr04	15472198	15472737
Potri.005G057800	<i>Populus trichocarpa</i>	Chr05	4066011	4067266
Potri.005G076600	<i>Populus trichocarpa</i>	Chr05	5625322	5627730
Potri.005G162300	<i>Populus trichocarpa</i>	Chr05	16607608	16609452
Potri.005G166100	<i>Populus trichocarpa</i>	Chr05	17260773	17263580
Potri.005G189300	<i>Populus trichocarpa</i>	Chr05	20689820	20690840
Potri.005G204000	<i>Populus trichocarpa</i>	Chr05	21881226	21882935
Potri.006G006300	<i>Populus trichocarpa</i>	Chr06	438132	439307
Potri.006G032300	<i>Populus trichocarpa</i>	Chr06	2192817	2194363
Potri.006G038900	<i>Populus trichocarpa</i>	Chr06	2741633	2743465
Potri.006G192100	<i>Populus trichocarpa</i>	Chr06	20687841	20688371
Potri.006G199300	<i>Populus trichocarpa</i>	Chr06	21444923	21445471
Potri.006G266600	<i>Populus trichocarpa</i>	Chr06	26863353	26864293
Potri.006G266700	<i>Populus trichocarpa</i>	Chr06	26867519	26869778
Potri.007G006200	<i>Populus trichocarpa</i>	Chr07	440560	441141
Potri.007G091600	<i>Populus trichocarpa</i>	Chr07	11851318	11852980
Potri.007G110100	<i>Populus trichocarpa</i>	Chr07	13325551	13326901
Potri.009G024200	<i>Populus trichocarpa</i>	Chr09	3572517	3573629
Potri.010G123700	<i>Populus trichocarpa</i>	Chr10	13998861	13999918
Potri.011G053700	<i>Populus trichocarpa</i>	Chr11	4668383	4669684
Potri.011G084800	<i>Populus trichocarpa</i>	Chr11	8950138	8950638
Potri.011G095900	<i>Populus trichocarpa</i>	Chr11	11689143	11689560
Potri.011G118200	<i>Populus trichocarpa</i>	Chr11	14358167	14359731
Potri.011G118200	<i>Populus trichocarpa</i>	Chr11	14356562	14359731
Potri.011G118200	<i>Populus trichocarpa</i>	Chr11	14356562	14359731
Potri.012G055900	<i>Populus trichocarpa</i>	Chr12	5752301	5753139
Potri.013G043800	<i>Populus trichocarpa</i>	Chr13	3094146	3094553
Potri.014G006400	<i>Populus trichocarpa</i>	Chr14	703700	704197
Potri.014G008600	<i>Populus trichocarpa</i>	Chr14	879088	879675
Potri.014G141600	<i>Populus trichocarpa</i>	Chr14	10776134	10776691
Potri.015G046600	<i>Populus trichocarpa</i>	Chr15	4689835	4690437
Potri.016G017900	<i>Populus trichocarpa</i>	Chr16	958255	959444
Potri.016G029600	<i>Populus trichocarpa</i>	Chr16	1676014	1677622
Potri.016G036600	<i>Populus trichocarpa</i>	Chr16	2182480	2184539
Potri.016G046000	<i>Populus trichocarpa</i>	Chr16	2901669	2902513
Potri.016G093900	<i>Populus trichocarpa</i>	Chr16	8101978	8102394
Potri.018G016500	<i>Populus trichocarpa</i>	Chr18	1292423	1293612
Potri.019G013300	<i>Populus trichocarpa</i>	Chr19	1510650	1511545
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133824	7136789
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133324	7136789
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133324	7136764
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133324	7136769
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133324	7136764
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133324	7136769
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133807	7136212
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133822	7136764
Pp3c1_9790	<i>Physcomitrella patens</i>	Chr01	7133824	7136764
Pp3c11_25170	<i>Physcomitrella patens</i>	Chr11	16415847	16418347
Pp3c11_25170	<i>Physcomitrella patens</i>	Chr11	16415812	16418296
Pp3c11_25170	<i>Physcomitrella patens</i>	Chr11	16415821	16418347

Table S2

<i>Pp3c15_15270</i>	<i>Physcomitrella patens</i>	Chr15	9951739	9954559
<i>Pp3c15_15270</i>	<i>Physcomitrella patens</i>	Chr15	9951561	9954559
<i>Pp3c15_15270</i>	<i>Physcomitrella patens</i>	Chr15	9951670	9954575
<i>Pp3c15_19310</i>	<i>Physcomitrella patens</i>	Chr15	12715520	12717429
<i>Pp3c15_19310</i>	<i>Physcomitrella patens</i>	Chr15	12715520	12717747
<i>Pp3c16_10920</i>	<i>Physcomitrella patens</i>	Chr16	6901776	6903218
<i>Pp3c16_10920</i>	<i>Physcomitrella patens</i>	Chr16	6901648	6903149
<i>Pp3c16_19040</i>	<i>Physcomitrella patens</i>	Chr16	11638746	11641402
<i>Pp3c16_19040</i>	<i>Physcomitrella patens</i>	Chr16	11638738	11641423
<i>Pp3c16_19220</i>	<i>Physcomitrella patens</i>	Chr16	11743969	11745864
<i>Pp3c16_19220</i>	<i>Physcomitrella patens</i>	Chr16	11743935	11745816
<i>Pp3c16_22640</i>	<i>Physcomitrella patens</i>	Chr16	14076141	14079066
<i>Pp3c16_22640</i>	<i>Physcomitrella patens</i>	Chr16	14075785	14079696
<i>Pp3c16_22640</i>	<i>Physcomitrella patens</i>	Chr16	14075785	14079770
<i>Pp3c16_22640</i>	<i>Physcomitrella patens</i>	Chr16	14075785	14079696
<i>Pp3c2_38120</i>	<i>Physcomitrella patens</i>	Chr02	25825213	25828059
<i>Pp3c2_38120</i>	<i>Physcomitrella patens</i>	Chr02	25825203	25827985
<i>Pp3c2_38120</i>	<i>Physcomitrella patens</i>	Chr02	25825203	25827939
<i>Pp3c2_38120</i>	<i>Physcomitrella patens</i>	Chr02	25825203	25827960
<i>Pp3c20_1460</i>	<i>Physcomitrella patens</i>	Chr20	757984	760731
<i>Pp3c20_1460</i>	<i>Physcomitrella patens</i>	Chr20	757832	760687
<i>Pp3c23_18320</i>	<i>Physcomitrella patens</i>	Chr23	12097590	12100236
<i>Pp3c23_18320</i>	<i>Physcomitrella patens</i>	Chr23	12096936	12100236
<i>Pp3c23_18320</i>	<i>Physcomitrella patens</i>	Chr23	12096986	12100236
<i>Pp3c23_18320</i>	<i>Physcomitrella patens</i>	Chr23	12097571	12100236
<i>Pp3c23_18320</i>	<i>Physcomitrella patens</i>	Chr23	12097584	12100235
<i>Pp3c23_18340</i>	<i>Physcomitrella patens</i>	Chr23	12103392	12105298
<i>Pp3c23_18340</i>	<i>Physcomitrella patens</i>	Chr23	12103019	12105733
<i>Pp3c25_12310</i>	<i>Physcomitrella patens</i>	Chr25	8748177	8749617
<i>Pp3c25_12310</i>	<i>Physcomitrella patens</i>	Chr25	8747370	8750161
<i>Pp3c25_12310</i>	<i>Physcomitrella patens</i>	Chr25	8747370	8750161
<i>Pp3c25_12370</i>	<i>Physcomitrella patens</i>	Chr25	8776415	8777317
<i>Pp3c25_3350</i>	<i>Physcomitrella patens</i>	Chr25	2215159	2216642
<i>Pp3c25_3350</i>	<i>Physcomitrella patens</i>	Chr25	2214550	2217384
<i>Pp3c25_3350</i>	<i>Physcomitrella patens</i>	Chr25	2214550	2217384
<i>Pp3c25_9290</i>	<i>Physcomitrella patens</i>	Chr25	6469594	6470822
<i>Pp3c25_9290</i>	<i>Physcomitrella patens</i>	Chr25	6469562	6470826
<i>Pp3c5_24370</i>	<i>Physcomitrella patens</i>	Chr05	17056390	17058920
<i>Pp3c5_24370</i>	<i>Physcomitrella patens</i>	Chr05	17056343	17058707
<i>Pp3c5_24450</i>	<i>Physcomitrella patens</i>	Chr05	17085812	17088401
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17800561	17803281
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799429	17802285
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799429	17802285
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799954	17802286
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799954	17802274
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799954	17802285
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799954	17802285
<i>Pp3c5_25320</i>	<i>Physcomitrella patens</i>	Chr05	17799954	17802276
<i>Pp3c5_25420</i>	<i>Physcomitrella patens</i>	Chr05	17931059	17932450
<i>Pp3c5_25420</i>	<i>Physcomitrella patens</i>	Chr05	17931059	17932358
<i>Pp3c6_4170</i>	<i>Physcomitrella patens</i>	Chr06	2473222	2475659
<i>Pp3c6_4170</i>	<i>Physcomitrella patens</i>	Chr06	2473192	2475781
<i>Pp3c6_7300</i>	<i>Physcomitrella patens</i>	Chr06	4337344	4337769
<i>Pp3c6_7300</i>	<i>Physcomitrella patens</i>	Chr06	4336988	4338305
<i>Pp3c6_7340</i>	<i>Physcomitrella patens</i>	Chr06	4390256	4391854
<i>Pp3c6_7340</i>	<i>Physcomitrella patens</i>	Chr06	4390256	4391792
<i>Pp3c6_7340</i>	<i>Physcomitrella patens</i>	Chr06	4390256	4391930
<i>Pp3c6_7340</i>	<i>Physcomitrella patens</i>	Chr06	4390256	4391930

Table S2

Pp3c7_13780	<i>Physcomitrella patens</i>	Chr07	9344828	9347998
Pp3c7_13780	<i>Physcomitrella patens</i>	Chr07	9344827	9348000
Pp3c7_13780	<i>Physcomitrella patens</i>	Chr07	9344828	9348002
Pp3c7_13780	<i>Physcomitrella patens</i>	Chr07	9344828	9347998
Pp3c7_13780	<i>Physcomitrella patens</i>	Chr07	9344828	9347998
Pp3c7_7100	<i>Physcomitrella patens</i>	Chr07	4443698	4445556
Pp3c7_7100	<i>Physcomitrella patens</i>	Chr07	4442859	4445393
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405228	15408157
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405148	15408183
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408166
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408157
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408136
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408000
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408136
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408140
Pp3c8_22400	<i>Physcomitrella patens</i>	Chr08	15405207	15408136
Pp3c9_19950	<i>Physcomitrella patens</i>	Chr09	13447810	13450561
Pp3c9_19950	<i>Physcomitrella patens</i>	Chr09	13447787	13450625
Prupe.1G312500	<i>Prunus persica</i>	Pp01	30310330	30311534
Prupe.1G396600	<i>Prunus persica</i>	Pp01	35157071	35159007
Prupe.1G514600	<i>Prunus persica</i>	Pp01	42345600	42347900
Prupe.1G522100	<i>Prunus persica</i>	Pp01	42787397	42791235
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006928	45010323
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015615
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015612
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015706
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015750
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015722
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45005025	45015612
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006060	45015612
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006094	45009795
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006150	45015630
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006240	45015172
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006240	45015172
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006241	45015706
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006242	45015582
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006251	45015750
Prupe.1G550700	<i>Prunus persica</i>	Pp01	45006251	45015582
Prupe.2G000100	<i>Prunus persica</i>	Pp02	93474	94791
Prupe.2G002600	<i>Prunus persica</i>	Pp02	325286	326279
Prupe.2G041200	<i>Prunus persica</i>	Pp02	4528127	4529124
Prupe.3G091700	<i>Prunus persica</i>	Pp03	6831873	6833100
Prupe.3G175400	<i>Prunus persica</i>	Pp03	19224514	19225499
Prupe.3G185800	<i>Prunus persica</i>	Pp03	20034265	20035525
Prupe.4G048900	<i>Prunus persica</i>	Pp04	2336709	2337451
Prupe.4G116000	<i>Prunus persica</i>	Pp04	6273009	6274145
Prupe.4G149000	<i>Prunus persica</i>	Pp04	8510604	8512604
Prupe.4G180100	<i>Prunus persica</i>	Pp04	10679240	10680055
Prupe.4G286700	<i>Prunus persica</i>	Pp04	25146373	25146954
Prupe.5G036600	<i>Prunus persica</i>	Pp05	4155069	4158442
Prupe.5G036600	<i>Prunus persica</i>	Pp05	4155069	4158442
Prupe.5G036600	<i>Prunus persica</i>	Pp05	4155069	4158442
Prupe.5G222000	<i>Prunus persica</i>	Pp05	17263929	17264977
Prupe.6G183200	<i>Prunus persica</i>	Pp06	19037459	19040864
Prupe.6G183200	<i>Prunus persica</i>	Pp06	19037459	19040864
Prupe.6G218200	<i>Prunus persica</i>	Pp06	22485430	22486482
Prupe.6G218300	<i>Prunus persica</i>	Pp06	22498702	22499601
Prupe.6G310500	<i>Prunus persica</i>	Pp06	27841446	27842672

Table S2

<i>Prupe.6G347000</i>	<i>Prunus persica</i>	Pp06	29707539	29707919
<i>Prupe.7G038200</i>	<i>Prunus persica</i>	Pp07	7097581	7098362
<i>Prupe.7G076600</i>	<i>Prunus persica</i>	Pp07	11329895	11330935
<i>Prupe.8G022500</i>	<i>Prunus persica</i>	Pp08	2023441	2025113
<i>Seita.1G015300</i>	<i>Setaria italica</i>	scaffold_1	1341648	1342593
<i>Seita.1G015400</i>	<i>Setaria italica</i>	scaffold_1	1346277	1346633
<i>Seita.1G070200</i>	<i>Setaria italica</i>	scaffold_1	6462653	6466293
<i>Seita.1G185200</i>	<i>Setaria italica</i>	scaffold_1	26627116	26629147
<i>Seita.1G324200</i>	<i>Setaria italica</i>	scaffold_1	38372178	38373103
<i>Seita.2G039200</i>	<i>Setaria italica</i>	scaffold_2	3233035	3233796
<i>Seita.2G188800</i>	<i>Setaria italica</i>	scaffold_2	28482730	28484079
<i>Seita.2G396000</i>	<i>Setaria italica</i>	scaffold_2	46041864	46043403
<i>Seita.2G439500</i>	<i>Setaria italica</i>	scaffold_2	48840569	48841763
<i>Seita.3G007100</i>	<i>Setaria italica</i>	scaffold_3	375158	375944
<i>Seita.3G029500</i>	<i>Setaria italica</i>	scaffold_3	1806182	1806655
<i>Seita.3G075700</i>	<i>Setaria italica</i>	scaffold_3	4819529	4820346
<i>Seita.3G138400</i>	<i>Setaria italica</i>	scaffold_3	9638909	9645164
<i>Seita.3G176500</i>	<i>Setaria italica</i>	scaffold_3	13094775	13095521
<i>Seita.3G195500</i>	<i>Setaria italica</i>	scaffold_3	14865245	14866371
<i>Seita.3G404200</i>	<i>Setaria italica</i>	scaffold_3	50302942	50303310
<i>Seita.4G067700</i>	<i>Setaria italica</i>	scaffold_4	5222077	5222460
<i>Seita.4G169300</i>	<i>Setaria italica</i>	scaffold_4	26904286	26905224
<i>Seita.4G214500</i>	<i>Setaria italica</i>	scaffold_4	33221018	33222383
<i>Seita.4G223000</i>	<i>Setaria italica</i>	scaffold_4	34348206	34349526
<i>Seita.4G268900</i>	<i>Setaria italica</i>	scaffold_4	38604982	38606063
<i>Seita.5G040900</i>	<i>Setaria italica</i>	scaffold_5	3725366	3725950
<i>Seita.5G142700</i>	<i>Setaria italica</i>	scaffold_5	12571458	12572120
<i>Seita.5G247300</i>	<i>Setaria italica</i>	scaffold_5	30883175	30883647
<i>Seita.5G316700</i>	<i>Setaria italica</i>	scaffold_5	36760934	36764278
<i>Seita.5G354000</i>	<i>Setaria italica</i>	scaffold_5	39570825	39572070
<i>Seita.6G003100</i>	<i>Setaria italica</i>	scaffold_6	230417	231199
<i>Seita.6G141800</i>	<i>Setaria italica</i>	scaffold_6	25319447	25321399
<i>Seita.7G094400</i>	<i>Setaria italica</i>	scaffold_7	19741913	19743783
<i>Seita.7G261300</i>	<i>Setaria italica</i>	scaffold_7	31441226	31442868
<i>Seita.7G309400</i>	<i>Setaria italica</i>	scaffold_7	34606900	34608119
<i>Seita.8G004900</i>	<i>Setaria italica</i>	scaffold_8	296448	297847
<i>Seita.9G062300</i>	<i>Setaria italica</i>	scaffold_9	3581688	3582612
<i>Seita.9G141000</i>	<i>Setaria italica</i>	scaffold_9	9013344	9014725
<i>Seita.9G302300</i>	<i>Setaria italica</i>	scaffold_9	35017799	35018581
<i>Seita.9G302500</i>	<i>Setaria italica</i>	scaffold_9	35040088	35040763
<i>Seita.9G310200</i>	<i>Setaria italica</i>	scaffold_9	35815634	35816350
<i>Seita.9G381000</i>	<i>Setaria italica</i>	scaffold_9	44006973	44007809
<i>Seita.9G422500</i>	<i>Setaria italica</i>	scaffold_9	47861865	47862869
<i>Seita.9G424100</i>	<i>Setaria italica</i>	scaffold_9	47969554	47970534
<i>Sobic.001G063200</i>	<i>Sorghum bicolor</i>	Chr01	4718332	4719645
<i>Sobic.001G138600</i>	<i>Sorghum bicolor</i>	Chr01	11019649	11020808
<i>Sobic.001G279300</i>	<i>Sorghum bicolor</i>	Chr01	54539553	54540393
<i>Sobic.001G279500</i>	<i>Sorghum bicolor</i>	Chr01	54568947	54569768
<i>Sobic.001G285000</i>	<i>Sorghum bicolor</i>	Chr01	55824296	55825255
<i>Sobic.001G287400</i>	<i>Sorghum bicolor</i>	Chr01	56294761	56296031
<i>Sobic.001G352700</i>	<i>Sorghum bicolor</i>	Chr01	64183029	64183913
<i>Sobic.001G389700</i>	<i>Sorghum bicolor</i>	Chr01	67631769	67633355
<i>Sobic.001G390700</i>	<i>Sorghum bicolor</i>	Chr01	67707824	67710090
<i>Sobic.001G475701</i>	<i>Sorghum bicolor</i>	Chr01	74796033	74796776
<i>Sobic.001G492600</i>	<i>Sorghum bicolor</i>	Chr01	76193243	76196393
<i>Sobic.001G492600</i>	<i>Sorghum bicolor</i>	Chr01	76183043	76196501
<i>Sobic.001G492600</i>	<i>Sorghum bicolor</i>	Chr01	76183048	76196501
<i>Sobic.001G492600</i>	<i>Sorghum bicolor</i>	Chr01	76183069	76196393

Table S2

<i>Sobic.001G492600</i>	<i>Sorghum bicolor</i>	Chr01	76193019	76196501
<i>Sobic.002G040900</i>	<i>Sorghum bicolor</i>	Chr02	3944279	3945265
<i>Sobic.002G185200</i>	<i>Sorghum bicolor</i>	Chr02	56923688	56928881
<i>Sobic.002G185200</i>	<i>Sorghum bicolor</i>	Chr02	56923688	56928881
<i>Sobic.002G381300</i>	<i>Sorghum bicolor</i>	Chr02	73712952	73714246
<i>Sobic.002G425000</i>	<i>Sorghum bicolor</i>	Chr02	77174919	77175533
<i>Sobic.003G027400</i>	<i>Sorghum bicolor</i>	Chr03	2408735	2410667
<i>Sobic.003G131500</i>	<i>Sorghum bicolor</i>	Chr03	12322802	12323668
<i>Sobic.003G240600</i>	<i>Sorghum bicolor</i>	Chr03	57961107	57962017
<i>Sobic.003G294400</i>	<i>Sorghum bicolor</i>	Chr03	62677714	62679117
<i>Sobic.003G329700</i>	<i>Sorghum bicolor</i>	Chr03	65497419	65503103
<i>Sobic.004G111800</i>	<i>Sorghum bicolor</i>	Chr04	11036312	11037382
<i>Sobic.004G232400</i>	<i>Sorghum bicolor</i>	Chr04	58136911	58138552
<i>Sobic.005G021950</i>	<i>Sorghum bicolor</i>	Chr05	2015176	2015814
<i>Sobic.006G075500</i>	<i>Sorghum bicolor</i>	Chr06	43980789	43981892
<i>Sobic.006G239100</i>	<i>Sorghum bicolor</i>	Chr06	57985251	57987615
<i>Sobic.006G256700</i>	<i>Sorghum bicolor</i>	Chr06	59330329	59331263
<i>Sobic.006G275300</i>	<i>Sorghum bicolor</i>	Chr06	60646112	60647075
<i>Sobic.007G002100</i>	<i>Sorghum bicolor</i>	Chr07	218555	220436
<i>Sobic.007G124301</i>	<i>Sorghum bicolor</i>	Chr07	53279013	53281524
<i>Sobic.008G018400</i>	<i>Sorghum bicolor</i>	Chr08	1493728	1495198
<i>Sobic.008G188000</i>	<i>Sorghum bicolor</i>	Chr08	62233390	62234784
<i>Sobic.008G188000</i>	<i>Sorghum bicolor</i>	Chr08	62233390	62234783
<i>Sobic.009G180550</i>	<i>Sorghum bicolor</i>	Chr09	53477276	53477659
<i>Sobic.009G200700</i>	<i>Sorghum bicolor</i>	Chr09	55054074	55055883
<i>Sobic.009G239700</i>	<i>Sorghum bicolor</i>	Chr09	57753538	57753792
<i>Sobic.010G045000</i>	<i>Sorghum bicolor</i>	Chr10	3482938	3483360
<i>Sobic.010G155300</i>	<i>Sorghum bicolor</i>	Chr10	45701695	45702656
<i>Sobic.010G185000</i>	<i>Sorghum bicolor</i>	Chr10	52485614	52489444
<i>Sobic.010G194300</i>	<i>Sorghum bicolor</i>	Chr10	53688115	53688687
<i>Sobic.010G221032</i>	<i>Sorghum bicolor</i>	Chr10	56362136	56363551
<i>Sobic.010G221032</i>	<i>Sorghum bicolor</i>	Chr10	56362136	56363551
<i>Solyc01g096510.2</i>	<i>Solanum lycopersicum</i>	SL2.50ch01	87596368	87597121
<i>Solyc02g031990.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch02	27259478	27260026
<i>Solyc02g064570.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch02	35678099	35680533
<i>Solyc02g068460.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch02	38401854	38402432
<i>Solyc02g068470.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch02	38412522	38412989
<i>Solyc02g078030.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch02	42843097	42843888
<i>Solyc03g117500.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch03	66645395	66645901
<i>Solyc03g119410.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch03	68034081	68034536
<i>Solyc04g055050.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch04	53604965	53606995
<i>Solyc04g073950.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch04	59963374	59964768
<i>Solyc04g074520.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch04	60506623	60507594
<i>Solyc06g060470.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch06	38497586	38498308
<i>Solyc06g061190.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch06	39193327	39194433
<i>Solyc06g069100.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch06	42886815	42891453
<i>Solyc07g043250.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch07	56909878	56910360
<i>Solyc07g056600.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch07	64413049	64413378
<i>Solyc07g063070.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch07	65649614	65650315
<i>Solyc09g008740.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch09	2170423	2170956
<i>Solyc09g008750.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch09	2181098	2181706
<i>Solyc09g008760.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch09	2190939	2191652
<i>Solyc10g007580.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch10	1880180	1880425
<i>Solyc10g077130.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch10	60003111	60003728
<i>Solyc10g078440.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch10	60268059	60268484
<i>Solyc11g005720.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch11	572324	573019
<i>Solyc12g042730.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch12	39718257	39718775
<i>Solyc12g088490.1</i>	<i>Solanum lycopersicum</i>	SL2.50ch12	63836570	63837058

Table S2

<i>Spipo12G0038500</i>	<i>Spirodela polyrhiza</i>	pseudo12	2876960	2877436
<i>Spipo12G0049100</i>	<i>Spirodela polyrhiza</i>	pseudo12	3515818	3517319
<i>Spipo13G0006800</i>	<i>Spirodela polyrhiza</i>	pseudo13	354115	354903
<i>Spipo15G0010600</i>	<i>Spirodela polyrhiza</i>	pseudo15	931596	941062
<i>Spipo18G0012100</i>	<i>Spirodela polyrhiza</i>	pseudo18	1081521	1081814
<i>Spipo18G0034700</i>	<i>Spirodela polyrhiza</i>	pseudo18	2883258	2884235
<i>Spipo19G0000400</i>	<i>Spirodela polyrhiza</i>	pseudo19	24210	25019
<i>Spipo21G0001000</i>	<i>Spirodela polyrhiza</i>	pseudo21	110214	110738
<i>Spipo24G0029600</i>	<i>Spirodela polyrhiza</i>	pseudo24	2290244	2291044
<i>Spipo29G0006300</i>	<i>Spirodela polyrhiza</i>	pseudo29	461442	461858
<i>Spipo2G0045300</i>	<i>Spirodela polyrhiza</i>	pseudo2	3777527	3778405
<i>Spipo3G0021200</i>	<i>Spirodela polyrhiza</i>	pseudo3	1348393	1348890
<i>Spipo3G0110800</i>	<i>Spirodela polyrhiza</i>	pseudo3	8596307	8596774
<i>Spipo4G0015800</i>	<i>Spirodela polyrhiza</i>	pseudo4	1531542	1532285
<i>Spipo4G0108900</i>	<i>Spirodela polyrhiza</i>	pseudo4	8014277	8014942
<i>Spipo5G0064400</i>	<i>Spirodela polyrhiza</i>	pseudo5	5632264	5633232
<i>Spipo7G0026800</i>	<i>Spirodela polyrhiza</i>	pseudo7	2443441	2444073
<i>Spipo7G0038000</i>	<i>Spirodela polyrhiza</i>	pseudo7	3593248	3593835
<i>Spipo9G0025500</i>	<i>Spirodela polyrhiza</i>	pseudo9	1823291	1823731
<i>Thecc1EG000826</i>	<i>Theobroma cacao</i>	scaffold_1	3665568	3666433
<i>Thecc1EG001135</i>	<i>Theobroma cacao</i>	scaffold_1	5423498	5425872
<i>Thecc1EG001406</i>	<i>Theobroma cacao</i>	scaffold_1	6944558	6946248
<i>Thecc1EG001671</i>	<i>Theobroma cacao</i>	scaffold_1	8652393	8654890
<i>Thecc1EG002034</i>	<i>Theobroma cacao</i>	scaffold_1	11143089	11144353
<i>Thecc1EG006012</i>	<i>Theobroma cacao</i>	scaffold_2	274858	276288
<i>Thecc1EG006014</i>	<i>Theobroma cacao</i>	scaffold_2	283299	284298
<i>Thecc1EG009707</i>	<i>Theobroma cacao</i>	scaffold_2	26622742	26623950
<i>Thecc1EG012360</i>	<i>Theobroma cacao</i>	scaffold_3	2485917	2486851
<i>Thecc1EG015718</i>	<i>Theobroma cacao</i>	scaffold_3	29270881	29273305
<i>Thecc1EG015718</i>	<i>Theobroma cacao</i>	scaffold_3	29270857	29273318
<i>Thecc1EG015718</i>	<i>Theobroma cacao</i>	scaffold_3	29270870	29273425
<i>Thecc1EG023150</i>	<i>Theobroma cacao</i>	scaffold_5	10994582	11009245
<i>Thecc1EG023799</i>	<i>Theobroma cacao</i>	scaffold_5	18600636	18611220
<i>Thecc1EG024241</i>	<i>Theobroma cacao</i>	scaffold_5	23763691	23764366
<i>Thecc1EG024904</i>	<i>Theobroma cacao</i>	scaffold_5	29471037	29478144
<i>Thecc1EG026260</i>	<i>Theobroma cacao</i>	scaffold_5	37381493	37382865
<i>Thecc1EG027281</i>	<i>Theobroma cacao</i>	scaffold_6	2697791	2698810
<i>Thecc1EG029475</i>	<i>Theobroma cacao</i>	scaffold_6	22812011	22812585
<i>Thecc1EG029847</i>	<i>Theobroma cacao</i>	scaffold_6	24602683	24604298
<i>Thecc1EG031539</i>	<i>Theobroma cacao</i>	scaffold_7	5454561	5455635
<i>Thecc1EG032332</i>	<i>Theobroma cacao</i>	scaffold_7	10162333	10163717
<i>Thecc1EG034861</i>	<i>Theobroma cacao</i>	scaffold_8	5118475	5121469
<i>Thecc1EG034928</i>	<i>Theobroma cacao</i>	scaffold_8	5485111	5491034
<i>Thecc1EG035487</i>	<i>Theobroma cacao</i>	scaffold_8	9424134	9425316
<i>Thecc1EG036879</i>	<i>Theobroma cacao</i>	scaffold_9	668138	669443
<i>Thecc1EG045032</i>	<i>Theobroma cacao</i>	scaffold_10r	21868748	21869354
<i>Thhalv10000717m.g</i>	<i>Eutrema salsugineum</i>	scaffold_15	1429878	1430234
<i>Thhalv10001010m.g</i>	<i>Eutrema salsugineum</i>	scaffold_20	2033641	2034855
<i>Thhalv10001232m.g</i>	<i>Eutrema salsugineum</i>	scaffold_20	480616	481489
<i>Thhalv10001743m.g</i>	<i>Eutrema salsugineum</i>	scaffold_22	389789	390325
<i>Thhalv10001873m.g</i>	<i>Eutrema salsugineum</i>	scaffold_23	1571662	1572618
<i>Thhalv10004427m.g</i>	<i>Eutrema salsugineum</i>	scaffold_6	975223	976384
<i>Thhalv10006263m.g</i>	<i>Eutrema salsugineum</i>	scaffold_19	1921267	1921944
<i>Thhalv10006291m.g</i>	<i>Eutrema salsugineum</i>	scaffold_19	2465919	2466646
<i>Thhalv10006454m.g</i>	<i>Eutrema salsugineum</i>	scaffold_19	1222045	1222494
<i>Thhalv10006505m.g</i>	<i>Eutrema salsugineum</i>	scaffold_19	2402224	2402946
<i>Thhalv10008551m.g</i>	<i>Eutrema salsugineum</i>	scaffold_5	5446091	5447172
<i>Thhalv10008673m.g</i>	<i>Eutrema salsugineum</i>	scaffold_5	8072007	8072799

Table S2

Thhalv10009187m.g	Eutrema salsugineum	scaffold_5	9622060	9622944
Thhalv10014514m.g	Eutrema salsugineum	scaffold_2	11485181	11485955
Thhalv10015866m.g	Eutrema salsugineum	scaffold_2	2778729	2779253
Thhalv10016759m.g	Eutrema salsugineum	scaffold_10	8114319	8115511
Thhalv10017173m.g	Eutrema salsugineum	scaffold_10	11031710	11032653
Thhalv10017206m.g	Eutrema salsugineum	scaffold_10	7480202	7480995
Thhalv10017346m.g	Eutrema salsugineum	scaffold_10	11092283	11094238
Thhalv10017963m.g	Eutrema salsugineum	scaffold_10	11497338	11497898
Thhalv10018916m.g	Eutrema salsugineum	scaffold_9	996327	997416
Thhalv10019207m.g	Eutrema salsugineum	scaffold_9	272333	273094
Thhalv10019299m.g	Eutrema salsugineum	scaffold_9	5846380	5847047
Thhalv10019550m.g	Eutrema salsugineum	scaffold_9	946690	947019
Thhalv10021464m.g	Eutrema salsugineum	scaffold_13	2839871	2841019
Thhalv10021466m.g	Eutrema salsugineum	scaffold_13	4235466	4236424
Thhalv10021568m.g	Eutrema salsugineum	scaffold_13	1225140	1226065
Thhalv10022101m.g	Eutrema salsugineum	scaffold_13	2977157	2978014
Thhalv10025887m.g	Eutrema salsugineum	scaffold_1	580157	581035
Thhalv10026244m.g	Eutrema salsugineum	scaffold_1	8563671	8564472
Thhalv10026342m.g	Eutrema salsugineum	scaffold_1	12263727	12264485
Thhalv10027223m.g	Eutrema salsugineum	scaffold_1	929348	929725
Thhalv10028393m.g	Eutrema salsugineum	scaffold_3	3410891	3414723
Tp57577_TGAC_v2_1	Trifolium pratense	Tp57577_TGAC_v2_scaf_1	270	1435
Tp57577_TGAC_v2_2	Trifolium pratense	Tp57577_TGAC_v2_LG2	14195686	14197972
Tp57577_TGAC_v2_3	Trifolium pratense	Tp57577_TGAC_v2_LG3	2128112	2131043
Tp57577_TGAC_v2_4	Trifolium pratense	Tp57577_TGAC_v2_LG3	10821203	10823031
Tp57577_TGAC_v2_5	Trifolium pratense	Tp57577_TGAC_v2_scaf_4	183806	185630
Tp57577_TGAC_v2_6	Trifolium pratense	Tp57577_TGAC_v2_scaf_5	65636	66688
Tp57577_TGAC_v2_7	Trifolium pratense	Tp57577_TGAC_v2_LG7	10849687	10850315
Tp57577_TGAC_v2_8	Trifolium pratense	Tp57577_TGAC_v2_scaf_2	186626	194135
Tp57577_TGAC_v2_9	Trifolium pratense	Tp57577_TGAC_v2_LG2	16426220	16427220
Tp57577_TGAC_v2_10	Trifolium pratense	Tp57577_TGAC_v2_scaf_2	56246	57135
Tp57577_TGAC_v2_11	Trifolium pratense	Tp57577_TGAC_v2_scaf_3	210767	213564
Tp57577_TGAC_v2_12	Trifolium pratense	Tp57577_TGAC_v2_LG2	8923799	8924698
Tp57577_TGAC_v2_13	Trifolium pratense	Tp57577_TGAC_v2_LG2	10201325	10202519
Tp57577_TGAC_v2_14	Trifolium pratense	Tp57577_TGAC_v2_scaf_3	100576	101057
Tp57577_TGAC_v2_15	Trifolium pratense	Tp57577_TGAC_v2_LG3	3936684	3937244
Tp57577_TGAC_v2_16	Trifolium pratense	Tp57577_TGAC_v2_LG7	21940000	21940694
Tp57577_TGAC_v2_17	Trifolium pratense	Tp57577_TGAC_v2_LG5	9844690	9845387
Tp57577_TGAC_v2_18	Trifolium pratense	Tp57577_TGAC_v2_LG5	10657414	10658162
Tp57577_TGAC_v2_19	Trifolium pratense	Tp57577_TGAC_v2_LG5	10649334	10650182
Tp57577_TGAC_v2_20	Trifolium pratense	Tp57577_TGAC_v2_LG5	10639474	10648000
Tp57577_TGAC_v2_21	Trifolium pratense	Tp57577_TGAC_v2_scaf_1	5274	5925
Tp57577_TGAC_v2_22	Trifolium pratense	Tp57577_TGAC_v2_scaf_1	253976	254581
Tp57577_TGAC_v2_23	Trifolium pratense	Tp57577_TGAC_v2_LG3	3359460	3360648
Tp57577_TGAC_v2_24	Trifolium pratense	Tp57577_TGAC_v2_scaf_2	1337	1865
Tp57577_TGAC_v2_25	Trifolium pratense	Tp57577_TGAC_v2_LG3	9854332	9855059
Tp57577_TGAC_v2_26	Trifolium pratense	Tp57577_TGAC_v2_scaf_7	31480	32965
Tp57577_TGAC_v2_27	Trifolium pratense	Tp57577_TGAC_v2_LG1	16222138	16231206
Tp57577_TGAC_v2_28	Trifolium pratense	Tp57577_TGAC_v2_LG4	24196044	24197227
Tp57577_TGAC_v2_29	Trifolium pratense	Tp57577_TGAC_v2_scaf_1	20425	21755
Tp57577_TGAC_v2_30	Trifolium pratense	Tp57577_TGAC_v2_LG3	5918713	5919659
Tp57577_TGAC_v2_31	Trifolium pratense	Tp57577_TGAC_v2_LG7	27206325	27207651
Tp57577_TGAC_v2_32	Trifolium pratense	Tp57577_TGAC_v2_scaf_2	238573	239475
Tp57577_TGAC_v2_33	Trifolium pratense	Tp57577_TGAC_v2_scaf_3	1	1385
Tp57577_TGAC_v2_34	Trifolium pratense	Tp57577_TGAC_v2_scaf_5	57376	58307
Traes_1AL_AEBCF3_Triticum aestivum_v2.2		ta_iwgsc_1al_v2_3955706	7302	7544
Traes_1AL_AEBCF3_Triticum aestivum_v2.2		ta_iwgsc_1al_v2_3955706	7287	7549
Traes_1BL_17A04D6_Triticum aestivum_v2.2		ta_iwgsc_1bl_v1_3835690	8290	8529

Table S2

<i>Traes_1DL_BD5E22</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_1dl_v1_2259655	17370	18084
<i>Traes_2AL_5AE0780</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2al_v1_6425742	3411	4437
<i>Traes_2BL_08C80B0</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2bl_v1_7988902	13007	13743
<i>Traes_2BL_26A39B2</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2bl_v1_7988389	10073	10748
<i>Traes_2BL_666C4AF</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2bl_v1_7973968	6630	7269
<i>Traes_2BL_666C4AF</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2bl_v1_7973968	6346	7472
<i>Traes_2BL_A115DFI</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_2bl_v1_8076324	23472	25126
<i>Traes_3AS_22575A3</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_3as_v1_507703	16	216
<i>Traes_3B_25B6CEFI</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_3b_v1_10420942	1002	1498
<i>Traes_3B_A958F1F7</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_3b_v1_10422470	5163	5728
<i>Traes_3B_A958F1F7</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_3b_v1_10422470	4995	6420
<i>Traes_3B_A958F1F7</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_3b_v1_10422470	5056	5640
<i>Traes_4AS_1A74C1A</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4as_v2_5941526	1981	2723
<i>Traes_4AS_3AD486E</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4as_v2_5901944	764	1213
<i>Traes_4AS_3AD486E</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4as_v2_5901944	47	1484
<i>Traes_4AS_85A2DD</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4as_v2_5964577	421	1408
<i>Traes_4BL_9E0B4C9</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4bl_v1_7015109	1	356
<i>Traes_4BL_9E0B4C9</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4bl_v1_7015109	1	716
<i>Traes_4BL_E4F29BE</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4bl_v1_7014673	8142	9079
<i>Traes_4DL_788BB68</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4dl_v3_14423362	3757	4922
<i>Traes_4DL_EBB92E1</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4dl_v3_14376027	1826	2345
<i>Traes_4DL_FD481A</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4dl_v3_14109166	4	445
<i>Traes_4DL_FD481A</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_4dl_v3_14109166	1	385
<i>Traes_5BL_C205AA9</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bl_v1_10828952	10473	12676
<i>Traes_5BL_C205AA9</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bl_v1_10828952	10299	12432
<i>Traes_5BL_D900FB2</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bl_v1_1332183	840	1283
<i>Traes_5BL_D900FB2</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bl_v1_1332183	501	1400
<i>Traes_5BS_29454AF</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bs_v1_2262073	286	1023
<i>Traes_5BS_29454AF</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5bs_v1_2262073	12	1413
<i>Traes_5DL_E80D1C</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5dl_v1_4516522	1779	2222
<i>Traes_5DL_E80D1C</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5dl_v1_4516522	1399	2415
<i>Traes_5DS_D3E79E2</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_5ds_v1_2278349	716	2154
<i>Traes_7DL_C276851</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_7dl_v1_3330926	7971	8585
<i>Traes_7DL_C276851</i>	<i>Triticum aestivum_v2.2</i>	ta_iwgsc_7dl_v1_3330926	7666	8768
<i>Zosma114g00230</i>	<i>Zostera marina</i>	scaffold_114	110320	110920
<i>Zosma140g00160</i>	<i>Zostera marina</i>	scaffold_140	171593	172517
<i>Zosma146g00250</i>	<i>Zostera marina</i>	scaffold_146	131238	132511
<i>Zosma17g01270</i>	<i>Zostera marina</i>	scaffold_17	988766	989227
<i>Zosma181g00160</i>	<i>Zostera marina</i>	scaffold_181	132211	132985
<i>Zosma201g00200</i>	<i>Zostera marina</i>	scaffold_201	188019	190416
<i>Zosma23g01310</i>	<i>Zostera marina</i>	scaffold_23	925709	926818
<i>Zosma250g00040</i>	<i>Zostera marina</i>	scaffold_250	89439	90047
<i>Zosma25g00790</i>	<i>Zostera marina</i>	scaffold_25	524299	525761
<i>Zosma317g00060</i>	<i>Zostera marina</i>	scaffold_317	42005	42646
<i>Zosma319g00030</i>	<i>Zostera marina</i>	scaffold_319	52926	53935
<i>Zosma320g00020</i>	<i>Zostera marina</i>	scaffold_320	72373	72880
<i>Zosma388g00080</i>	<i>Zostera marina</i>	scaffold_388	22359	22799
<i>Zosma4g01760</i>	<i>Zostera marina</i>	scaffold_4	1297227	1298411
<i>Zosma56g01070</i>	<i>Zostera marina</i>	scaffold_56	421220	423571
<i>Zosma56g01590</i>	<i>Zostera marina</i>	scaffold_56	691471	692085
<i>Zosma69g00530</i>	<i>Zostera marina</i>	scaffold_69	329596	330268
<i>Zosma6g00080</i>	<i>Zostera marina</i>	scaffold_6	148783	149755
<i>Zosma88g00310</i>	<i>Zostera marina</i>	scaffold_88	307297	308576

* No VQs were identified in 6 alga genomes.

* VQs from *Arabidopsis thaliana*, *Brassica rapa*, *Glycine max*, *Vitis vinifera*, *Zea mays* and *Oryza sativa* have been previously identified and were excluded.