

Detection of an inversion in the *Ty-2* region between *S. lycopersicum* and *S. habrochaites* by a combination of *de novo* genome assembly and BAC cloning

Theoretical and Applied Genetics

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Table S1 Primers used for recombinant screening

Marker	Physical position on SL2.40ch11 (Mbp)	Restriction enzyme	Primers
C2_At2g28250 ^a	51.307	—	F-AGACTTCATCATCGTCATGTGGTTCCG R-TTTGGAGGTGCTTTGCCATACCAAG
C2_At1g07960	51.388	<i>RsaI</i>	F-AAAGCCATTGTTACCGTCTCCGTG R-AGCCATAAGTGGTGTGGAGGACTT
UF_07960F2	51.388	<i>BanI</i>	F-CGTGCCACCCCTTCATAATA R-CCCTTGCGAGGAAAATACAG
cLEN-11-F24	51.549	<i>RsaI</i>	F-TTATGGACAGCATGGTCCTCGGAA R-GAAGTCTGGGAGCGATAGTAGTCT
M1	51.645	<i>SsiI</i>	F-CGCTCGGGCAAATAGTTCGTAATGG R-TTCATGGTCTAGAAATGTCCCCTGT
51663_MH	51.663	<i>Hin6I</i>	F-CCCTCTTGCTTAGTGGGTGA R-ACGCTCCAAATCAGAGGTTG
C2_At4g32930	51.688	<i>SspI</i>	F-TCCTCTTCCTATTGGCAAGGGC R-TGGACACTCCCCCTTTTCATCATAC

^a SNP marker; PCR product sequenced

Table S2 Primers used for BAC clone screening

Marker	Physical position on SL2.40ch11 (Mbp)	Primers
UP8	51.345	F-GCGCTGCTAGACATTTTCGAT R-CTGAAGTTGCTTGAATGCTCA
UP15	51.382	F-TCTCAAAGCGTTGATCGTTG R-GCTTGCTCTTGTGTTGGTCTCC
C2_At1g07960	51.388	F-AAAGCCATTGTTACCGTCTCCGTG R-AGCCATAAGTGGTGTGGAGGACTT
D1-3	51.399	F-GGGGTGTGGTTCTCTTTGCGTT R-GCCGGTACTTGCGAGCTTCTTC
D1-2	51.414	F-TGTCTGTTGTCTCTGACCCGTA R-ATTCCACACTTCTCATCCCTCC
P1-16	51.427	F-CACACATATCCTCTATCCTATTAGCTG R-CGGAGCTGAATTGTATAAACACG
D8-g40145	51.441	F-CCCCTATTGTTTTCTCTGTT R-CCCATGTCCCTATAATTTGTC
D7-g60068	51.461	F-TTGGTGGTGTGTTCTGTTTA R-CGTTAGGTGGAGTAGGTGCT
D2-3	51.490	F-ATAACTGCATGGGAAGACCG R-CTCCGTAAGCAACCGAAGAC
D3-2	51.503	F-TCAAAGGACGAGATACAATC R-AATCAACAAAGGCTTAACAG
D4-3	51.549	F-TACTTGACCCTGCTGTTATT R-GTCTGGGAGCGATAGTAGTC
D5-2	51.586	F-ATCACTTCCTTCACCCGTAA R-CTCCGATTTCAACTCCATTT
C2_At3g52090	51.606	F-AGGGATACGAAGATCATGAATGCAGC R-ACTCTTCAGATGATCAAGTTCCTTGTC
S1-2	51.615	F-AAATGTAGTTGATAGAAGGG R-ATGCTAAAAGGTAAGGAGGT
S1-3	51.633	F-AAGGAGAAAAACGGAAGAGC R-CTACAATAGCCACAGGGTCA
S1-4	51.645	F-GAAAAGGAAGTGTGGAACA R-CAATCTCATATAAATGGGGA
M1	51.645	F-CGCTCGGGCAAATAGTTCGTAATGG R-TTCATGGTCTAGAAATGTCCCCTGT