

Table S1 Primer sequences of the markers used to confirm polymorphism in the current study.

Marker	Primer Sequence
T0801-F	GAGCCGGAAGGTATGATTGA
T0801-R	GACCTTGTGGTAGGGCATGT
U153274-F	GCGAGGATAACGGTGAGAAG
U153274-R	TGCCTTTGGAGACTCCTTGT
C2_At1g47830-F	TTGTGAATAGAGATCCCAAATTCACC
C2_At1g47830-R	TCCTGCATATCTTCTGTATATTACCTTG
TG130-F	CGGAACCCACTTTGTTTTTC
TG130-R	ATCAACCCTGCAAGCTCAAC
C2_At2g32970-F	TCTGTGGGAAAGTACGTATGCTCC
C2_At2g32970-R	TCTGTTGCAGGCTGTGAAAAATGC
C2_At3g14910-F	TCTCCGTGGTGATCTGATTCATAAAC
C2_At3g14910-R	AATCTAAGAATCTTCCAGGGCTTAC
C2_At5g51700-F	AGATGCCACCAGGGATTCTTTTG
C2_At5g51700-R	AGCAGTGTCTGATTTTCCTTTTC
T1480-F	ACCACCTTGGATGAATACCG
T1480-R	TGCAACAGCTTTTCCCTCTC
C2_At5g46630-F	TGGCGCCTTTGATGAAGATGC
C2_At5g46630-R	AGATTTTGAGGGTAACCAAAGTCC
C2_At2g25950-F	TGGTGGTGCTGATGGAACAAGTCC
C2_At2g25950-R	TCGCTTGATAGATTGAGCATCTG
TG294-F	ATTGGCTGCAATGATGGATT
TG294-R	CTAAGCAGGACGGCCATCTA
C2_At4g04930-F	TACAGATGAACCTCATGCTTCTCGTAG
C2_At4g04930-R	ATTCCATCAACTCCTTGAAGCG
TG233-F	CATGCCTTTTCTTGGGATG
TG233-R	TGGAACCCCTTTAACTGTGC
C2_At5g42740-F	AGCACCATTGAGAAAAATATACCTG
C2_At5g42740-R	ATCCAAGGAATGAAACATTCCACAC
C2_At2g14260-F	AGGATCTATACCCCTCTATAGAGCC
C2_At2g14260-R	TTATTGGGTGAAGTCCACCTCC
C2_At2g32950-F	ATATATGCTGTGAAAATATAATCCTGG
C2_At2g32950-R	TGGCTGGTGTTCTCAAGTCATAATAATG
C2_At1g71810-F	TCATGCAGATCCACATCCTGAAAC
C2_At1g71810-R	AGTGACAAAATCCTTGGCCAATGC
C2_At3g06580-F	TGCTCAACTCACATGTGAGTGTGAAAG
C2_At3g06580-R	AGCAAACCCAGATTTTGCCATAAC
C2_At2g47210-F	TCCACTTTGGCTTCTCTTCGC
C2_At2g47210-R	ACCCCAAGGTCTTGTAAGTTTG
C2_At4g00090-F	AGATATTGGCCACCACTCATGGTTC
C2_At4g00090-R	AGGCGACCATGCCATGTCCG
U223116-F	TCACTTCAATCTTCACTTCTCTCTCC
U223116-R	TGTCCAGTTTCTTAAACTTCACATTC

C2_At3g12490-F	ACTGCACCACCTCACTCTTGAGGTC
C2_At3g12490-R	TGGATGTATAGAGTTGGATCTCTGCTG
C2_At5g63380-F	AGCAGGGGAGATTCTATGGC
C2_At5g63380-R	ATCTTTCCAGCAGGAGATTTTGG
C2_At1g23890-F	ATGCATGCAATTAGAAAGATTAGCAAG
C2_At1g23890-R	AATCCAGGTCCATCAGCACGGC
T1738-F	GGTTGGTATGGAAGGTCTGC
T1738-R	CGGCTTCCACCAGTGATATT
U168526-F	GTGGGTCCTCCTCAAAATGA
U168526-R	GGGCAGTCCAGCAATTTAAC
TG68-F	TCCACCTAGGATGAGTTTGA
TG68-R	CATGTCAAGGGGATTGAACA
C2_At1g27385-F	ACCGTGCATGATGATTCAACTAATGAG
C2_At1g27385-R	AGTACCAATAGCTGTAAAGCCTCTTTC
C2_At3g62940-F	ACCCGCGAGGAGATGCTTTCTAGG
C2_At3g62940-R	TCTGCTCTCTGGCTGCCTCTTGTG
C2_At1g10030-F	AGCTGTTAGGATGGTGGTTAATGC
C2_At1g10030-R	ACTCTGTCAAGAAATGACCGAAGGC
C2_At5g51970-F	ACGCGAGTTTTGACTGTGCTGG
C2_At5g51970-R	TCTTCTTGAGAGAATCCAAACCTGTG
TG236-F	AGCCCAAGAAAACCACCCAAAGTG
TG236-R	GGGTCGAGAGATTACATAACGTTG
C2_At2g45620-F	TATGGATCATGTGCCAATTCTTTTG
C2_At2g45620-R	TCGAAGCAGCTTTGTGTAAACAACAG
C2_At1g05350-F	TGAACGAACCCTAAAGCGTGAAGG
C2_At1g05350-R	TCCGAACCTCAACAAGTACTCAATGTG
C2_At5g62440-F	AGTTTCGTTTCCTCCGTGGAGATG
C2_At5g62440-R	TCCTTTCTGATTCTGAATGACCCTTC
C2_At2g01720-F	ACAAATTGGTACATGCTGGTGCTC
C2_At2g01720-R	TGGCCTGTTAGACTGATATTCAAC
C2_At2g37500-F	TCCTGGTGGTGTACTGCTGCAAAG
C2_At2g37500-R	AGCACTCAATTACATCTTGATAACCTGC
T1190-F	GCGTTCTCGTTACTGGTGCT
T1190-R	GTTGCATGGTTGACATCAGG
C2_At2g38025-F	ATGGGCGCTGCATGTTTCGTG
C2_At2g38025-R	ACACCTTTGTTGAAAGCCATCCC
C2_At2g22570-F	ACTGAAGAGTGAGATTCCGGTGGAG
C2_At2g22570-R	TCTGTTCCAGTGATACAATGAGGAGG
C2_At3g44880-F	ACAAGATTGTCGTCGAAATTCTC
C2_At3g44880-R	ACCACATCCATTAAATGACCATCC
TG180-F	TCTCAGTGGACTAAGGGGTCA
TG180-R	TCACAGCAGACATGTCGGAC
U241700-F	GAGAATCTCGGGTTTTCGTTAG
U241700-R	CAAGAAATCTTCCAACCTTTTCGAC

TG254-F	GACTTCGGGGCAATTATCTG
TG254-R	AAACGAGCACTGCATTTCATG
TG279-F	GTAGAATCCGCTGTGCGCTTC
TG279-R	TATGTCCACGAAGTCGGTGA
C2_At5g62530-F	TTCGACTGGAAGATCCTTGGG
C2_At5g62530-R	TGATTCAGCTGAACACTTCTGACC
cLPT-2-E21-F	CGAAGATGTTGCTTGATTGC
cLPT-2-E21-R	AAGCAGGAGCTGGACACAAT
C2_At1g71950-F	TGAGCAACCTAAAGATCAAGAACCTG
C2_At1g71950-R	TAACAATGCCTCTTTTGACGCTC
C2_At3g51010-F	TCCAAACAATCCCAATGAAGGAAG
C2_At3g51010-R	ACGCTCTACTCGCTTAATCATTTTC
U221657-F	AGGTTTCAATGGTGGAGCAC
U221657-R	ACAGCTGCTCGTTTCAGACC
U213360-F	ATCAATTGCGGTGTGTGCATGG
U213360-R	ACCAATCCTGCATATCCCACAACC
T1682-F	CCTCCCTCACCATCCAATTA
T1682-R	CTGCTTTAACCACCGGATTC
C2_At1g60640-F	TCTGACAGGGGGAAATGAATCTTC
C2_At1g60640-R	ACTTCATTGAAAGAGCTATCTTCACTCTC
C2_At4g20410-F	TGTGGGAGGCCCAACCTGC
C2_At4g20410-R	TCAGGTGCTCCATCTTCTAAAGC
C2_At1g30580-F	TTCTGCCGAAGATTCATGCATGG
C2_At1g30580-R	TCTCTCCACAGCAGCACTGAAAGG
B-F	CCCTTCACCACTCTCCATGT
B-R	AGAAAGGAACCCTTGCCAGT
C2_At3g47990-F	AGAGAAGCAGTGGAGGCACTCATTC
C2_At3g47990-R	AGAAAACCTTGCAACCTCAGCAG
C2_At2g01110-F	ATTTGTGCTCGTACTCATGTTACG
C2_At2g01110-R	TCCAAATCGACAGCATTTGATCTC
T1601-F	TGCAACGACGTACAATGAGG
T1601-R	GCATATTTACGAGCCGCATC
C2_At1g10500-F	ACGATTCAATCATCGAGTACAATGG
C2_At1g10500-R	AGCAGTAAACGATTTTCCACAACCAC
TG23-F	GGTGGTTCAAATCCTTATTGG
TG23-R	AAAGTGTGGGGTAACGCAC
C2_At3g14770-F	TCAACTGAACAGTTCTCAGGGTTGCC
C2_At3g14770-R	AACATTGATATCAAGGAAGCACAACCTC
C2_At5g01990-F	TATTGTTGGCCTTAGGAGGCAATC
C2_At5g01990-R	TGCAAACACAATCGCAACAGTTGTC
C2_At5g19690-F	AGAGAGGCTTATGCATGGTTGAGC
C2_At5g19690-R	TAGTTTGATAGCCATAGTCCCACC
C2_At4g18593-F	AGGTGATTGTTATAATCGTGAGAAAG
C2_At4g18593-R	TTCAATGCGCACATAAAAGCTTG

C2_At4g16580-F	TGTTACCTGCCTCATCCTGATAAAG
C2_At4g16580-R	ATTTTGAAGACCTCTCCAGAACTTGG
C2_At4g05090-F	AGTATTATAGCGAGCTCGAAGCTGC
C2_At4g05090-R	TCCTTTCCCCCTCTGTCAATTGC
C2_At4g15790-F	ATTGACTGAGTCAAGGCAAGAGCTGC
C2_At4g15790-R	TAAGTTTCTTAAGCTGTTGGTAACATC
U221402-F	AAGCCTCCTTGACAAATGCATATAG
U221402-R	AGATATAGCTACAGTGGCAGCTTCATC
T1519-F	TGCACAGACACAAACTGCAA
T1519-R	CACCCTGGTAATGCCAAACT
C2_At4g20070-F	ACCTAGAGAGGACCTTCCAGAGCCC
C2_At4g20070-R	AGGAATTCAGTGCCTTCAATGCAG
C2_At2g04700-F	ATGAGAACTCTTCAAGCTTCCACCTC
C2_At2g04700-R	ATGAGAACTCTTCAAGCTTCCACCTC
C2_At4g21710-F	TGACGGGCTCAGATTTGTTAAAGTG
C2_At4g21710-R	TCTTGTCATCAACCATATGCTTCAGC
C2_At3g16150-F	AAGCAACTCCTTACTCGTTGCC
C2_At3g16150-R	TGGAGATACCAGAAACGGCG
C2_At1g07080-R	TGTAAGCTTTGCAAATGTAGCTTATG
C2_At1g07080-F	TTGTGCCATGGGTGTGTGTTGATG
C2_At3g10920-F	TGGCTTGGTGTGGACAAAGAGC
C2_At3g10920-R	TGCAAGTAGTATGCGTGTTCCTC
C2_At3g11210-F	AGGCCTGTATAGAGCTATGCAAAGAG
C2_At3g11210-R	AATTCTGTTGCCATTGATTCCAGTG
C2_At4g28530-F	TGGAAATTGATCTTCACACTTGTGAGC
C2_At4g28530-R	TCAAGTCGAAATTCATGCATGATCC
C2_At4g15520-F	TCCGTTTCCGCCACTTCCAC
C2_At4g15520-R	ATTCAATGAAGCAGTACCACACCC
U213330-F	TCATCATGATCAAGCCTGATGGTGTC
U213330-R	AGAGAATCCTTTCTTCTCAAATCTGC
U288441-F	ATGTTGGCAAAAGGTAGAAGAGTTG
U288441-R	CTTTACTCTTTAGGAGCGGAATCTC
TG585-F	TGGAAAGCCAGACACACAGA
TG585-R	CAGGGGTATCAGTAGGCAGTG
T1388-F	GCGATTTGGCTATCTGGGTA
T1388-R	AACCGAAAGGCTTTTCCAAG
C2_At3g10220-F	TGGCTTCTCAGTTACAGATTCAAGG
C2_At3g10220-R	AACCTCCGGAGGTCACTGACG
C2_At1g80360-F	ATGGTTACTGCCGGTGCAAATCAG
C2_At1g80360-R	TCGGTAACACCTGTCATCTGGAATG
C2_At1g60440-F	TGCCCCGTCCCTCTTAAGGATG
C2_At1g60440-R	TCCGCTTGAGCCCCAAAACGAAG
C2_At1g14300-F	AGGCGCTAGAGGCTATTTATTTGC
C2_At1g14300-R	TCACTGACCAAAATGCTCTTCTGCC

C2_At2g03510-F	TGATACCCTGCTGAATTATGGGGTC
C2_At2g03510-R	TGGTGCGCTCCTGTTCATGTTCTC
C2_At2g18710-F	TAAAAGCACAGCGGCATTTCATC
C2_At2g18710-R	AGAACCAAGAACTGATATCCGGC
C2_At5g20180-F	TGCTATGTACATCTAATCCCAAGCAC
C2_At5g20180-R	AGCTATCCCCCTTTCCACCAAG
C2_At2g47580-F	TAGCGGCGGCGAAGTTCCAC
C2_At2g47580-R	ATCAAACACTACCCACGCCTGTCC
C2_At2g32600-F	TGAAGGGAATTACTTGGCTCACAC
C2_At2g32600-R	TGTTTTGTTTCCGGATCAAATTGC
C2_At5g20890-F	AACTTATCGAGGAGATCATGATTGG
C2_At5g20890-R	AGCTGAGCAATCAGCTCAGCACTGTC
C2_At4g32930-F	TCCTCTTCCTATTGGCAAGGGC
C2_At4g32930-R	TGGACACTCCCCCTTTTCATCATAC
C2_At1g48300-F	AAGAAGATGAAATTACTTAAGGGTTTG
C2_At1g48300-R	TTTAGTGTGCATTCTCAAGTGCTCG
C2_At1g76080-F	TAGTATGGAGGAATTGGATGAAGC
C2_At1g76080-R	TCTTCTCTGCTGTGGAGCTGCAC
C2_At2g43770-F	AATGGAGTTGTCTGTTGTGCTTCC
C2_At2g43770-R	TGGCGCATATCCCAAAGTTAGC
C2_At4g10050-F	ATCACCTTCTGCCTTTTCTTC
C2_At4g10050-R	ATCTGGGATCTGAATGTCATCCTC
U219928-F	AACATCTAGGGGATGTGATTGGTG
U219928-R	AAGCTGGTTTTGAATGTGTGAGG
C2_At5g66530-F	TTCAGGAATGGCATTGCAAGTGTG
C2_At5g66530 - R	ACCATTGAATACAGCATCTGGTCGAAC
C2_At5g56940-F	TAGCAGATCTCCGAGAGACGGC
C2_At5g56940-R	TACTTCAACCTATCAAAATTAAGACC
C2_At4g09010-F	TAAGGGGCTTGATGCTGCTTTG
C2_At4g09010-R	TAAAGGTCGATTTGACTGCACTTTG
C2_At4g27700-F	AGCTACTAAACCTGCTAAATCACC
C2_At4g27700-R	TCGGCTTCAGGTCGTACATCAAG
C2_At3g04780-F	ACTATTGTCAATGCCCTCAAACAGG
C2_At3g04780-R	ATGCAGTTTGATGACTTGATTAAAAGG
C2_At1g02560-F	TTTATCTTGATGCTGTTGATCCCAC
C2_At1g02560-R	TGACCCTCCTGGAGAATTGACATAC
C2_At4g14110-F	AGCTCCTTCTTCCGCTTATTCAAC
C2_At4g14110-R	TGGAAGACATATTCAAGCAAGCGCTG
Bs4-F	GGAGCTGAATACGGATTGGA
Bs4-R	ATCGTTCCGATGATTTCTGG
C2_At4g26750-F	AAGGATAACGAACCAGCAAAGC
C2_At4g26750-R	TTTGAGGAATCCTCAATCCTCG
C2_At5g56130-F	ACATATAGCTGTTGGGAACAGGG
C2_At5g56130-R	TAGGTTTAACTTGCGAACATCC

TG18-F	AAGGGTTGTTGATTCCGTCA
TG18-R	GCACCAGGTTTTCCATCTGT
C2_At3g54470-F	TCCTGACTTTGGTTCTAAGCTTAGATCG
C2_At3g54470-R	TCAAATATTAAGAAGTTGTGCTTGTCTGC
C2_At5g60600-F	TTGCTTCAAGGTTGCAGAATGCG
C2_At5g60600-R	ACCAGGCAAGTGTGACGTCTTCTCTC
C2_At3g43540-F	AGCTTACATGGCTACCACTACTTTTAC
C2_At3g43540-R	AGACCAGAATCAGGCAACCCTGATG
C2_At4g11560-F	TTCCAGAAGGACAACCTCAGAAGCC
C2_At4g11560-R	TGTTTAATGGTATGAAGTGCACCACAC
t-F	CCTTAGGCCGTGTTGTGTTT
t-R	CCGTCAGAAAGCTTCACTCC
C2_At2g06530-F	AAGGTGTCTCCCTCAGAATTCAG
C2_At2g06530-R	ATCTGTCCCATTGCCTTTGTAAC
PTO-F	GTGCAGAGAGTACTGGAGGACCTG
PTO-R	GTCTGAATGAACATGATCAAAGTA
T1409-F	ATGTGATACCTCCGCCGTTA
T1409-R	TTTCTTCCATTTCCCAACCA
fw2.2-F	GCGAGAGCGAGTTGAGTGTATATC
fw2.2-R	CAGAAGAGAGAAGCTGCAAAGCAG
C2_At4g37280-F	AAGAAGCAACTGGTTGATGATTGGG
C2_At4g37280-R	TCCTTTTTGGATCGGTATTCAAGGTA
C2_At5g67370-F	TGAAACCAGTCATTAATAATGCTGAAG
C2_At5g67370-R	AGTACTGTCCACCGGCCAATGC
C2_At5g37260-F	AGAGCACAAAAAGTTCCTTGAAGC
C2_At5g37260-R	ACCGTACCAAATGCATCTGAACC
C2_At5g53000-F	TTGCTTGAAATGCTGAAGAAAGAGG
C2_At5g53000-R	AAGTAGCACAGGTGATAGGTGCTGC
C2_At4g30890-F	ATGCTGATTTTACACCTGAAGCGG
C2_At4g30890-R	AGCAGTAACAGAGGCATCATCAAACC
U217757-F	TCTGATGGCGTCATCTCAAA
U217757-R	TCATGGCTTTGATTGTCATC
C2_At1g50020-F	TTGCTTACTCTTGGTGGAACATTC
C2_At1g50020-R	TGTCTGTGATATCCTCTCTTCTTC
C2_At2g15290-F	ACTGCAAGTTACTTCAAGAGATTGGG
C2_At2g15290-R	TCTGGTAATAAGGATTAGTTGATGTGG
C2_At1g52590-F	TGTGCAACCTGTGTAATGGAGGTGTG
C2_At1g52590-R	TGAGGGAAAGGCAAGTTAATGTACTC
C2_At5g13640-F	TCAGCTGAAGCACGGGATATTGC
C2_At5g13640-R	TGGAACATATCCGTGTCCAGAACACC
C2_At5g23880-F	AGCTAACCTAATCCTTGATACAACACC
C2_At5g23880-R	ACCATCAGAACGACCTTCGAAGTCC
C2_At1g07040-F	TGCTGATGATGATCAAATTTGCTATG
C2_At1g07040-R	TCAACAAGAAGTTCGGATATAAATATTC

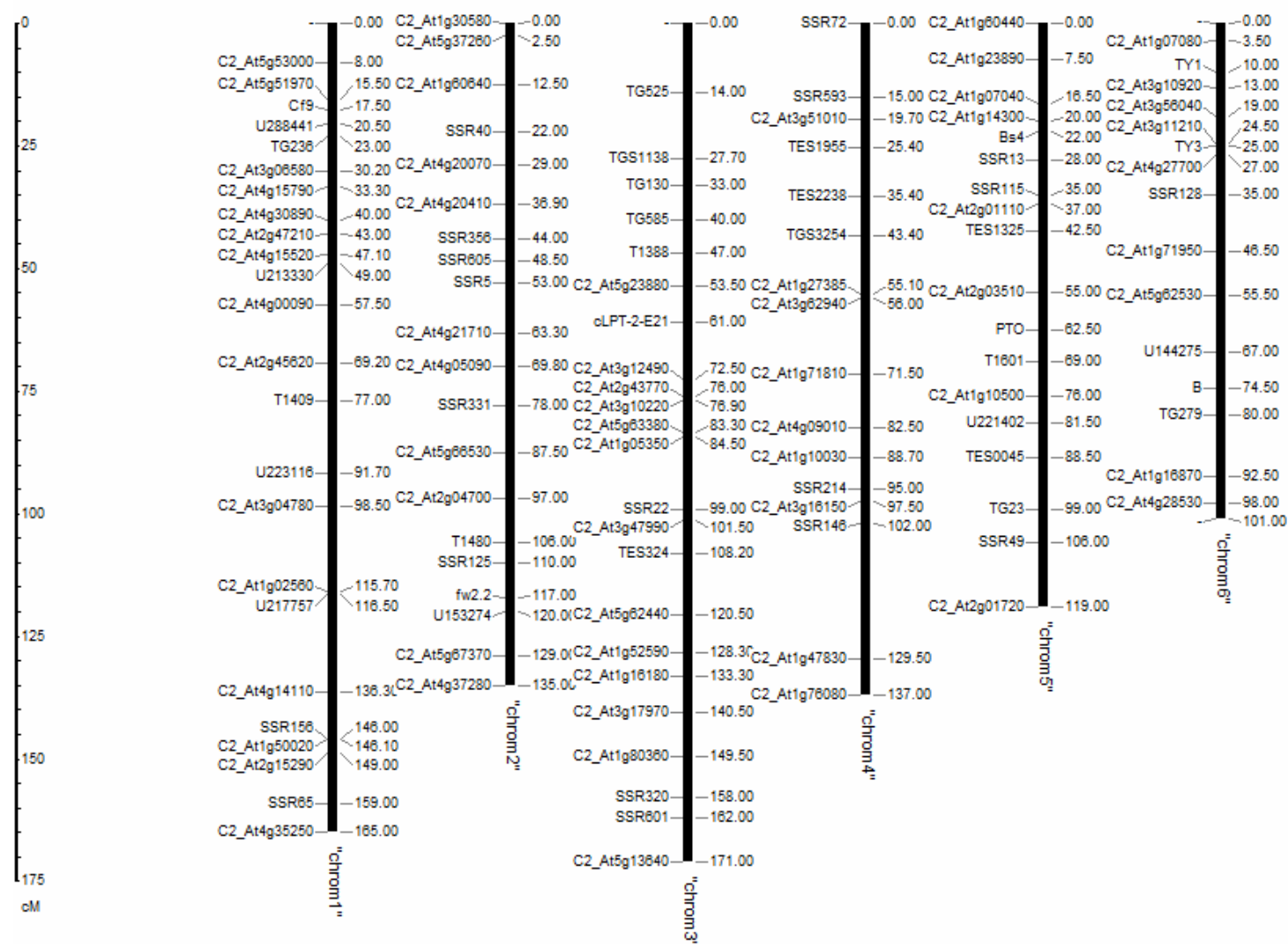
C2_At4g29490-F	AAGAGCAAACCTCGACATTGCACC
C2_At4g29490-R	ACAAGTAGGCGAAATAGCTCTCCTG
C2_At2g42810-F	TTGCCTTCAAGTGCATGTGTCC
C2_At2g42810-R	AGAGAGCTTCACGCCATCAACAC
C2_At4g24820-F	TGACTGAGAAAAAACTGTTGCAGTTG
C2_At4g24820-R	AGATCTGCTGCTTTCTTGAAGTTACG
C2_At2g32760-F	TACATCTGCTCTTAATGAAGCTAAGC
C2_At2g32760-R	TCTCTTTGACAACTTTAGAATGCATTG
TG497-F	CGGAGAGTGAAGATGCATTG
TG497-R	AAGTTCCAGAGGGAGCACAA
U144275-F	ATGGCAGTTAACGGTGCTTC
U144275-R	TGCCTTCATATGTGCTGCTC
C2_At5g41350-F	ACCTCCAATGCCAATGCCTTATG
C2_At5g41350-R	ATGAAACTGATGCTCGCATTTTG
cLET-8-K4-F	CACTTTGTGGCAATCGACAT
cLET-8-K4-R	TGCCTTATGCCAAACAGAAA
C2_At1g16180-F	TTCTTGCTTGCGTCATGCTGTGC
C2_At1g16180-R	ACCAGCAAATGATTTTCATCATCC
Cf5-F	AGCAGATGAAATCCCTCGGTC
Cf5-R	CCTCGCTGCTTCTTTCTCCTT
TG525-F	TATCAGTTCACCTCCCAGCA
TG525-R	GCCAATCATGTGAATGGTGAT
C2_At1g55880-F	AGAAGGCTGAAGAACCCGTTTGATAC
C2_At1g55880-R	AGGAACTCCAGACCAGTTGCTGAAGG
C2_At3g56040-F	TCGCTATTGGATATAATGCGTAATGC
C2_At3g56040-R	AACTCAGCAACCTCTATTAGCAACTC
C2_At5g38530-F	TCGACAAGCCCAACTCTGCTG
C2_At5g38530-R	ACTCCTCACCATAACGGTCTGATG
C2_At4g35250-F	TCCACCCTCTACGGCCACCTTG
C2_At4g35250-R	TATAGGCTCCTCAGGGCGTCC
C2_At4g23840-F	AGGGGAGAGAGTTATGTGGATGCAG
C2_At4g23840-R	ACCATCAGCTGTGACACCTGTTTCTG
Cf9-F	CGAGTTTGCTTGCTTTAGGG
Cf9-R	TCCACGGACAACCTGTGTTA
SSR156F	CACGCCTATGCACCTTTCTT
SSR156R	CTTCAAGGCTAAACCTCCGA
SSR65F	GGCAGGAGATTGGTTGCTTA
SSR65R	TTCCTCCTGTTTCATGCATTC
SSR40F	TGCAGGTATGTCTCACACCA
SSR40R	TTGCAAGAACACCTCCCTTT
SSR356F	ACCATCGAGGCTGCATAAAG
SSR356R	AACCATCCACTGCCTCAATC
SSR605F	TGGCCGGCTTCTAGAAATAA
SSR605R	TGAAATCACCCGTGACCTTT

SSR5F	TGGCCGGCTTCTAGAAATAA
SSR5R	TGAAATCACCCGTGACCTTT
SSR331F	CGCCTATCGATACCACCACT
SSR331R	ATTGATCCGTTTGGTTCTGC
SSR125F	CCTAAAGAAGATAGGAAGAAATGCC
SSR125R	TCTCTCCTACTGAAACAACCAA
SSR22F	GATCGGCAGTAGGTGCTCTC
SSR22R	CAAGAAACACCCATATCCGC
SSR320F	ATGAGGCAATCTTCACCTGG
SSR320R	TTCAGCTGATAGTTCCTGCG
SSR601F	TCTGCATCTGGTGAAGCAAG
SSR601R	CTGGATTGCCTGGTTGATT
SSR72F	GGTTCCTTCTCTCTTTGTCC
SSR72R	GCGTGTCTTCGATTGACA
SSR593F	TGGCATGAACAACAACCAAT
SSR593R	AGGAAGTTGCATTAGGCCAT
SSR214F	AAATCCCAACACTTGCCAC
SSR214R	CCCACCACTATCCAAACCC
SSR146F	TATGGCCATGGCTGAACC
SSR146R	CGAACGCCACCACTATACCT
SSR13F	GGTCACATACACTCATACTAAGGA
SSR13R	CAAATCGCGACATGTGTAAGA
SSR115F	CACCCTTTATTCAGATTCCTCT
SSR115R	ATTGAGGGTATGCAACAGCC
SSR49F	TCTCAAAGTCGTTCCCTTCTGA
SSR49R	GGAAGAGAAACGCGGACATA
SSRB18031F	AGACTCAGTCCCGAACAAGTTGAAG
SSRB18031R	ACATTACACTAAACCCCCAATTGCC
SSR128F	GGTCCAGTTCAATCAACCGA
SSR128R	TGAAGTCGTCTCATGGTTCG
SSR304F	TCCTCCGTTGTACTCCAC
SSR304R	TTAGCACTTCCACCGATTCC
SSR344F	TGTTGCTCGAACTCTCCAAA
SSR344R	CATAGGAGAGGTAACCCGCA
SSR335F	CCTCTCCATTCTGTGGTGGT
SSR335R	AACCGTCCTCGATTTCACAC
SSR594F	TTCGTTGAAGAAGATGATGGTC
SSR594R	CAAAGAGAACAAGCATCCAAGA
SSRB102358F	CTCGATCAATCTGTTCCCTTTTGTG
SSRB102358R	AAGCAAAATCCAGCATCATAGATCG
SSR85F	ATCCGTTAGCTATTGTGCCG
SSR85R	TTGCCATGCACTTATCTTCG
SSR223F	TGGCTGCCTCTTCTCTGTTT
SSR223R	TTTCTTGAAGGGTCTTTCCC

SSR136F	GAAACCGCCTCTTTCACCTTG
SSR136R	CAGCAATGATTCCAGCGATA
SSR80F	GGCAAATGTCAAAGGATTGG
SSR80R	AGGGTCATGTTCTTGATTGTCA
SSR46F	CCGAGGCGAATCTTGAATAC
SSR46R	GCACCATCTCTTGTGCCTCT
SSR596-F	TTCGGATAAAGCAATCCACC
SSR596-R	TCGATTGTGTACCAACGTCC
SSR526-F	AGGGTCCTTCGTTTGAACT
SSR526-R	GCATTCCACTTGGAAGCAT
C2_At3g17970-F	TCAGCAAATGTATGGGTTTGTGGG
C2_At3g17970-R	AGCAGGTTTCATGAGTCCTTGACCAGTC
C2_At1g16870-F	ACCCTGAAGAAATGCTCCGGTC
C2_At1g16870-R	TCACCGAATTCCTTAAGCATCCC
U221455-F	AGGCGCTTCTTATTATCTTCTC
U221455-R	ACCACAAGCAATCATTTCTACACC
TY2-F	TGGCTCATCCTGAAGCTGATAGCGC
TY2-R	TGAT(T/G)TGATGTTCTC(T/A)TCTCT(C/A)GCCTG
Sw-5-2-F	AATTAGGTTCTTGAAGCCCATCT
Sw-5-2-R	TTCCGCATCAGCCAATAGTGT
I2-F	GGGCTCCTAATCCGTGCTTCA
I2-R	GGTGGAGGATCGGGTTTGTTC
TGS1138-F	GCTGCCCTATGGTATTTTGG
TGS1138-R	CAGGTTAGATGTATTTTCGGCA
TES324-F	CGCTAAGCGAAGCAGTGT
TES324-R	GAGGGTCGAGATTACCGACA
TES1955-F	GCACAAACACTTTTGCACCA
TES1955-R	AGGAATCGGCGTAATTTCTGA
TES2238-F	GTTTTGGAAAGGAGCAGATCG
TES2238-R	CTGAAGGTCATTGGTGGCTT
TGS3254-F	GTGCAAAATCTCAAATGAAAATAGAA
TGS3254-R	AACAAGTGGAAGGAGATCAATG
TES1325-F	GTCACAATCGTTATCACCACCA
TES1325-R	TTGGCACCATTGAACTTATCC
TES0045-F	ACTGGCTGGGAAGCATAAC
TES0045-R	GCCCCAAAACATTACGTGCTT
TGS2303-F	GTTTCCCTATTTTTCATGGCG
TGS2303-R	CCAACGGTGTTTTCTTAAAC
TGS426-F	CACGCCCCAAGACCTTATTA
TGS426-R	GCATGCCTAAATCTATTAAATGCC
TES1454-F	GAAGGGTGTTCACCAACAGC
TES1454-R	CGAGGACTCGGAAGTTTCAC
TGS738-F	TTTCAGAACCTCAATGGGGA
TGS738-R	GTTCCGGTCTTTTGCAATGT



Figure S1 Field phenotypes of *S. lycopersicum* 1052 (left) and *S. pennellii* LA0716 (right) for introgression lines construction in the current study.



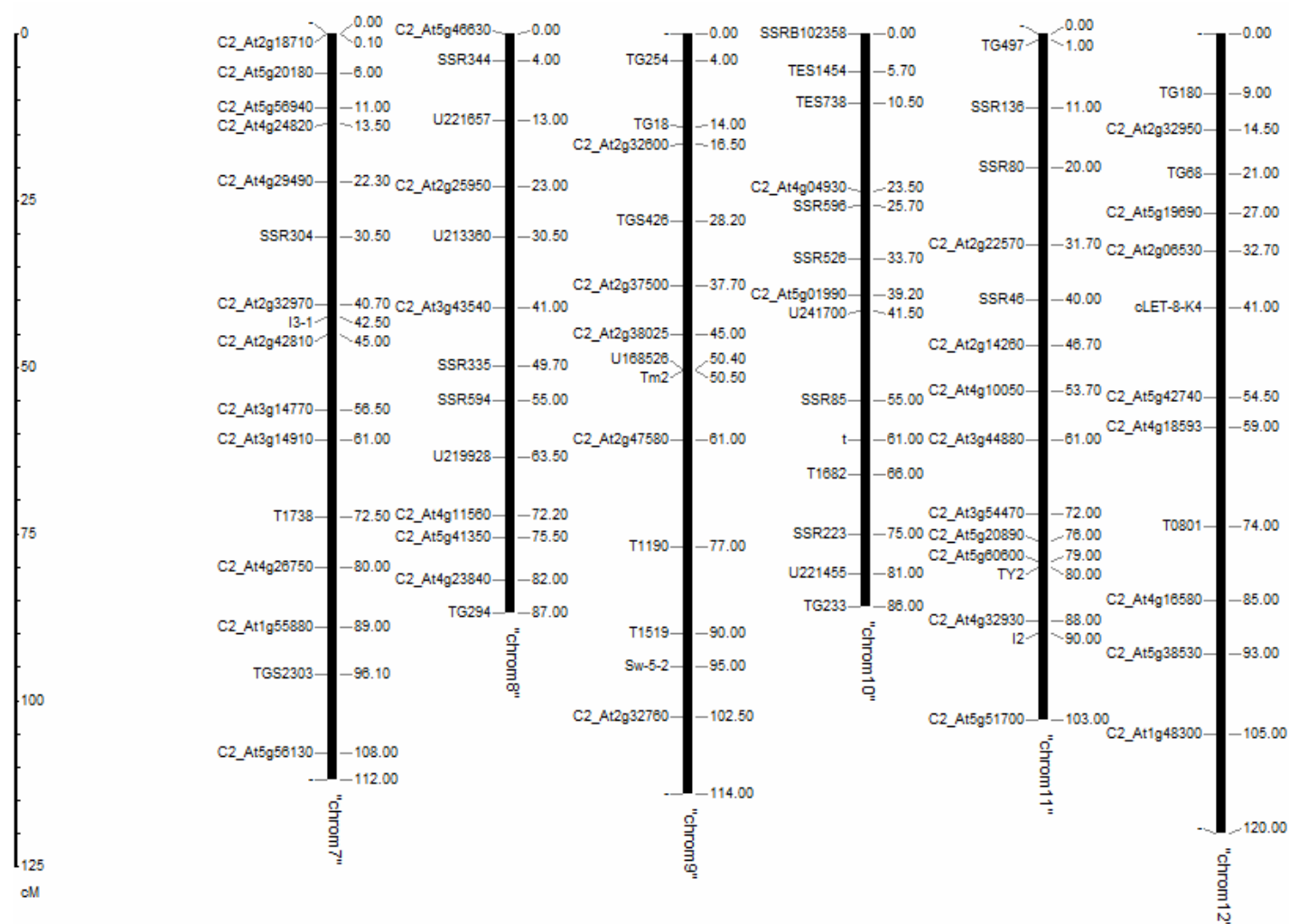
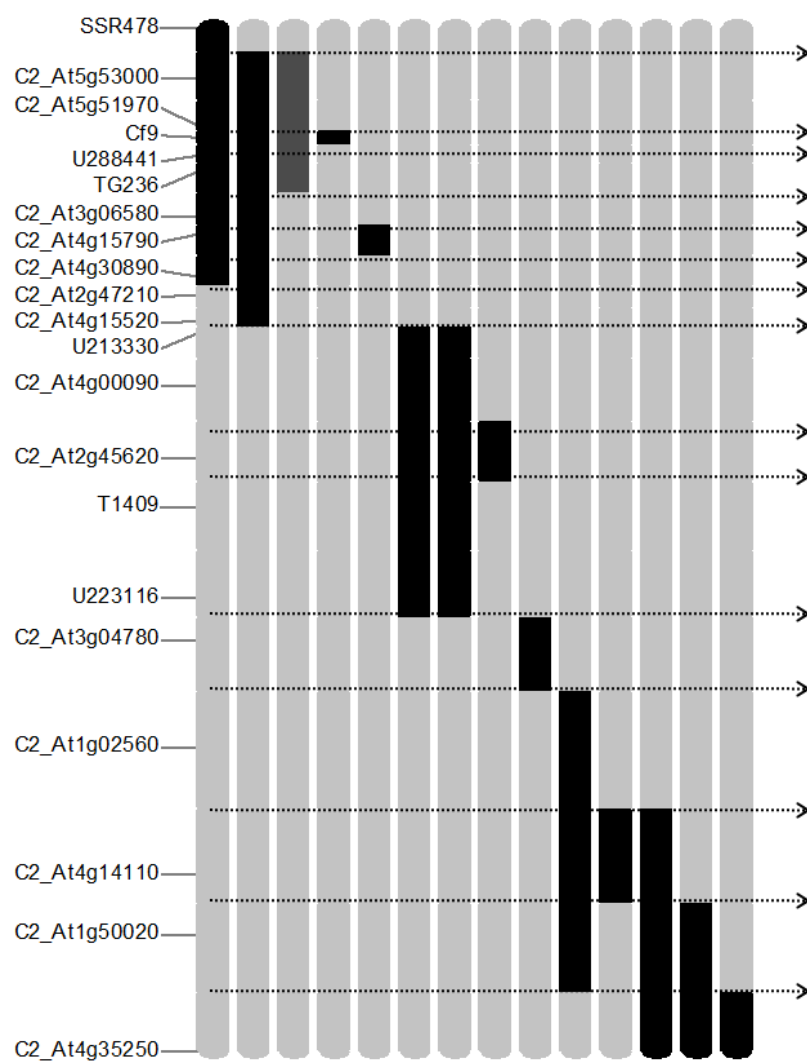
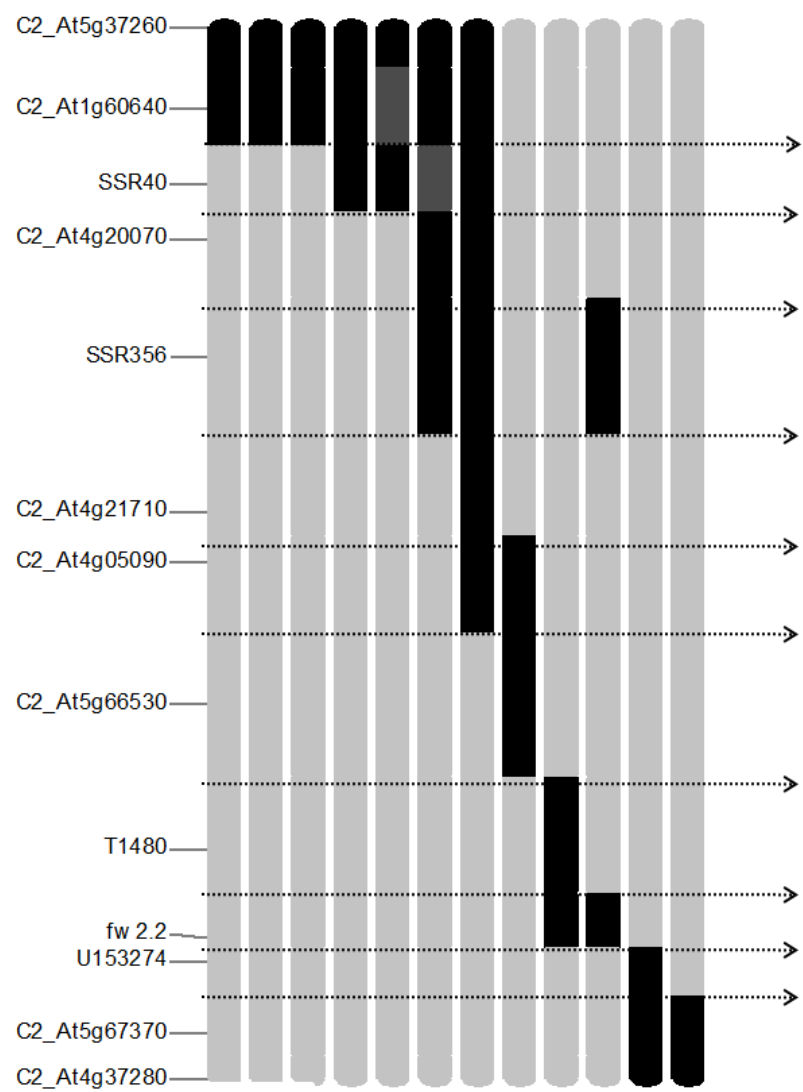


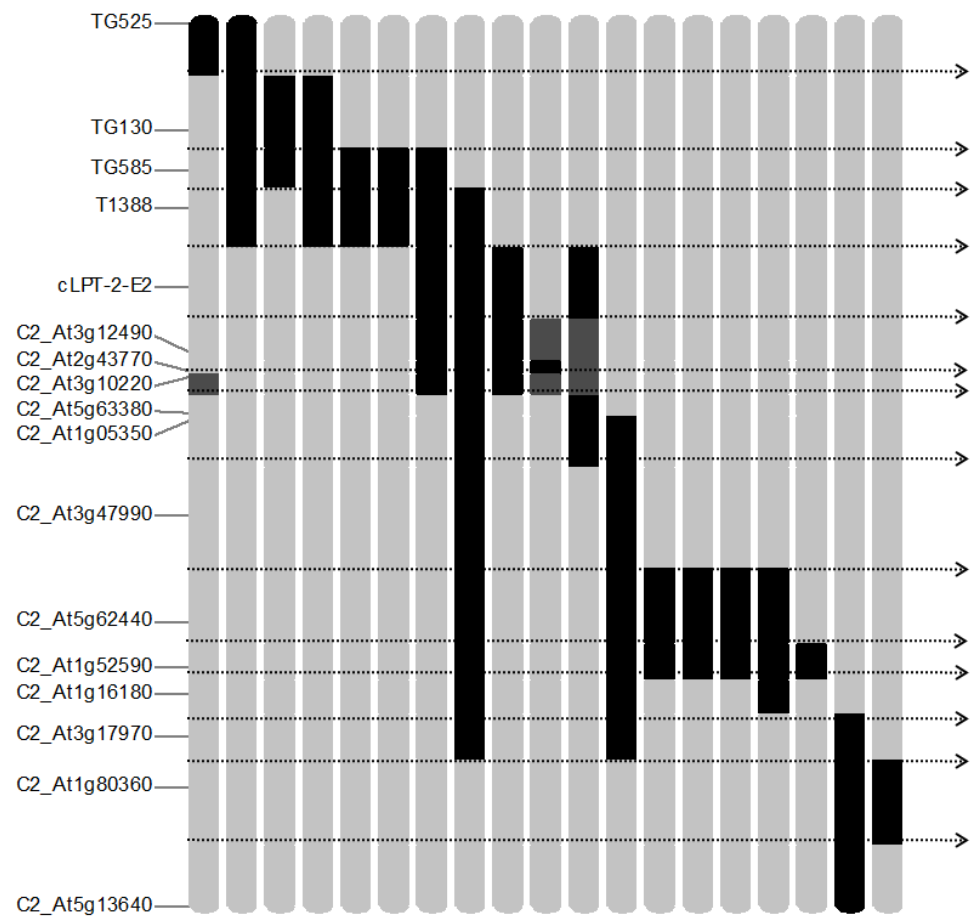
Figure S2 Specific locations and genetic distances of the 200 selected tracking molecular markers in the 12 chromosomes of tomatoes during the introgression line population construction.



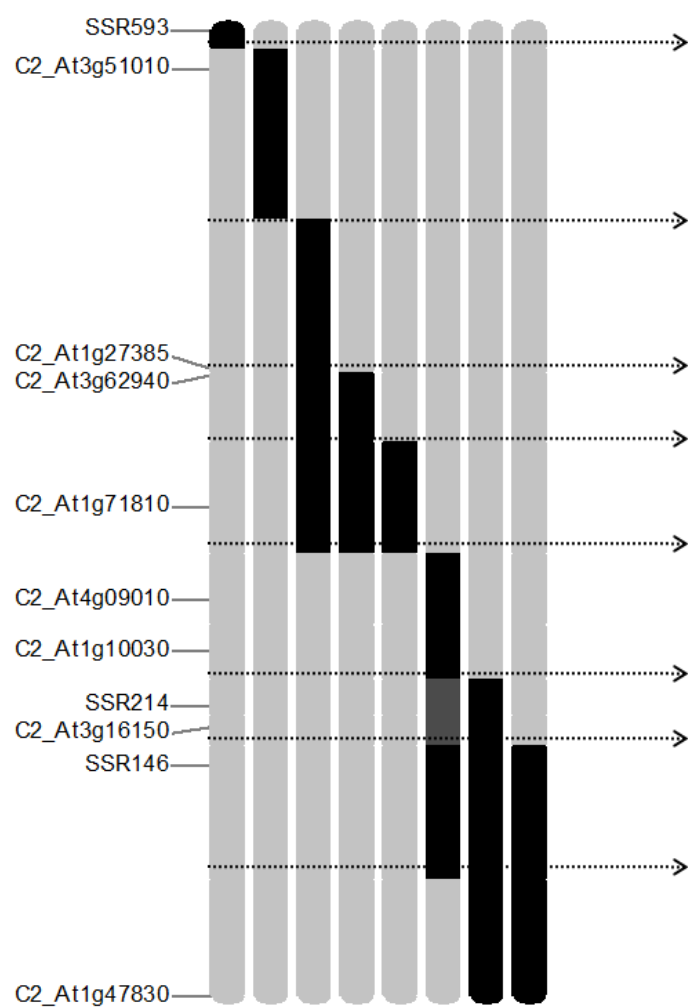
Chromosome 1



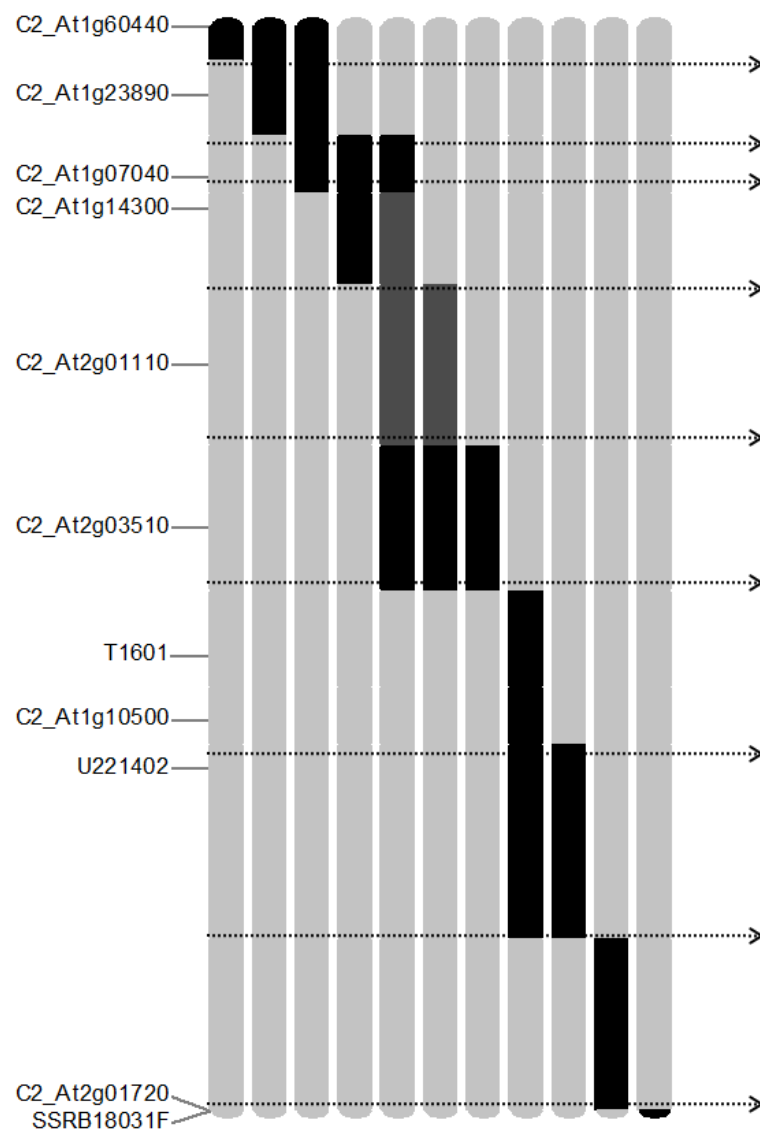
Chromosome 2



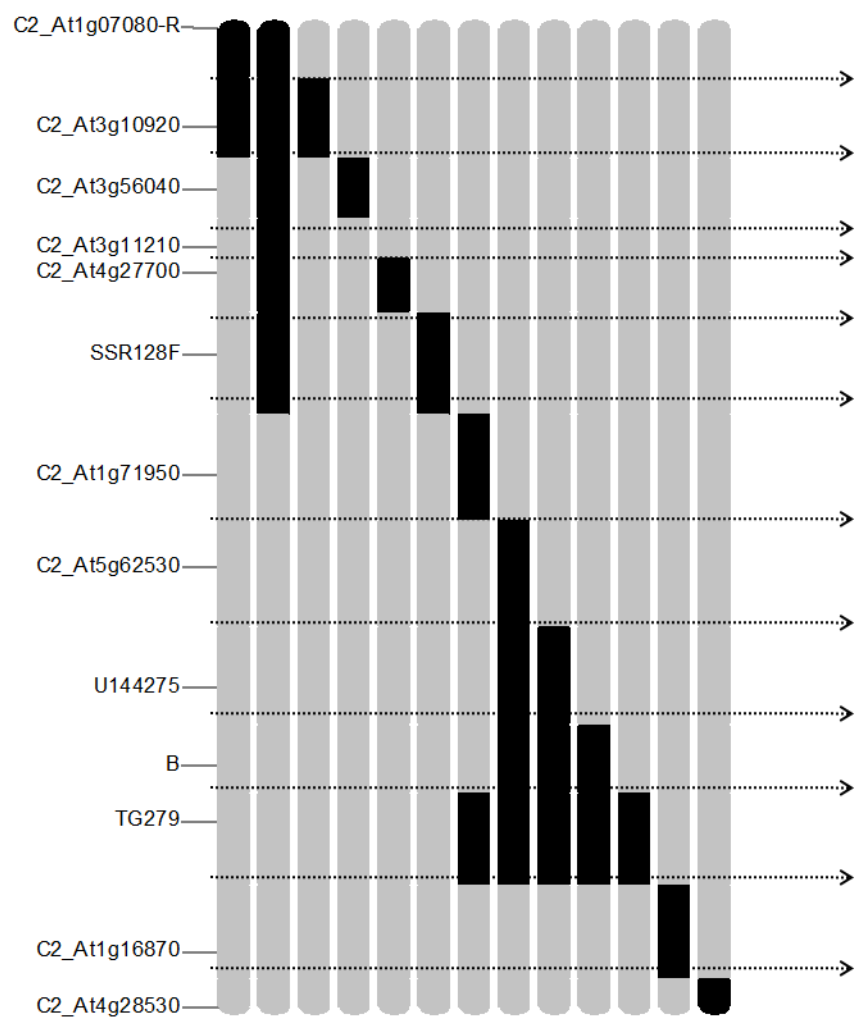
Chromosome 3



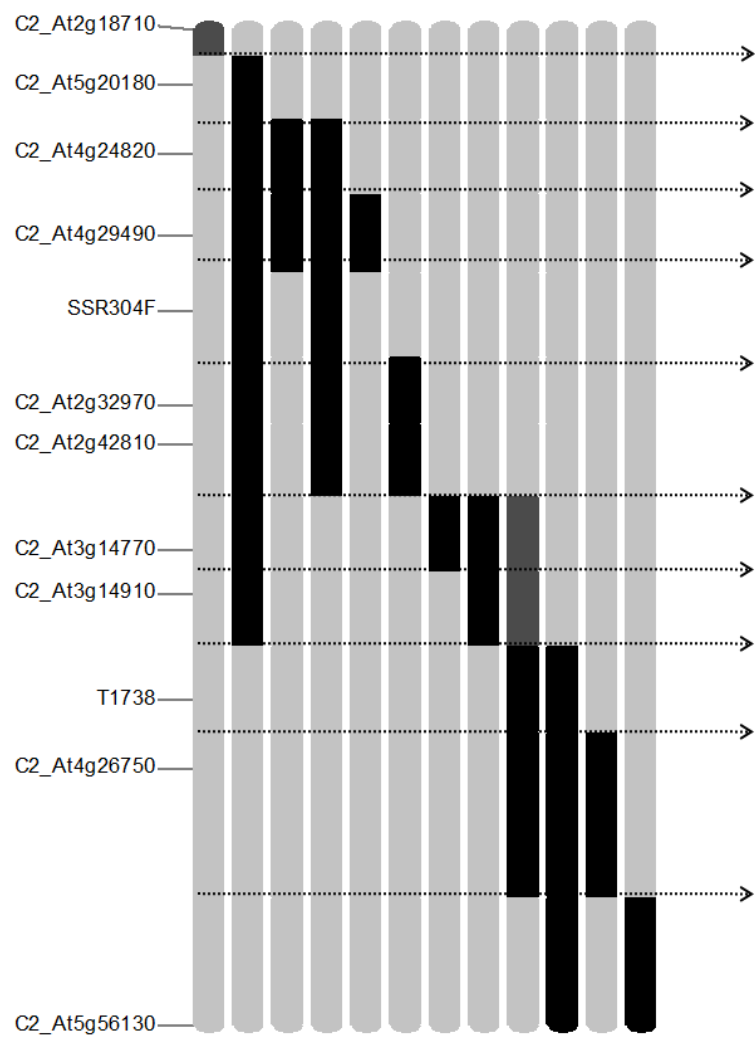
Chromosome 4



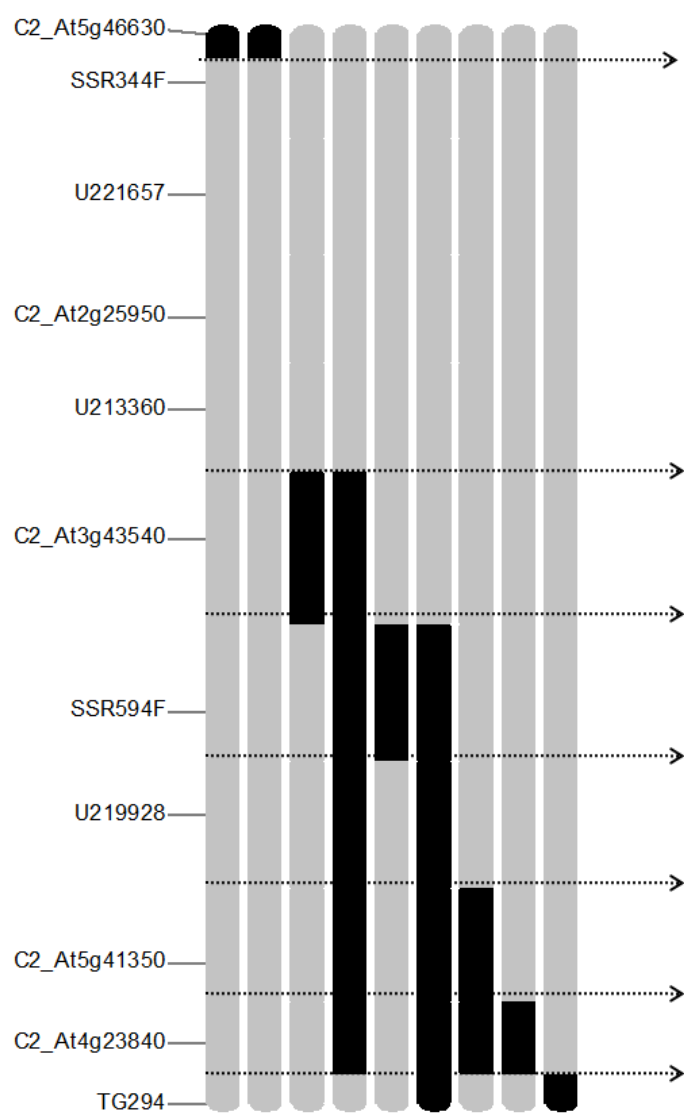
Chromosome 5



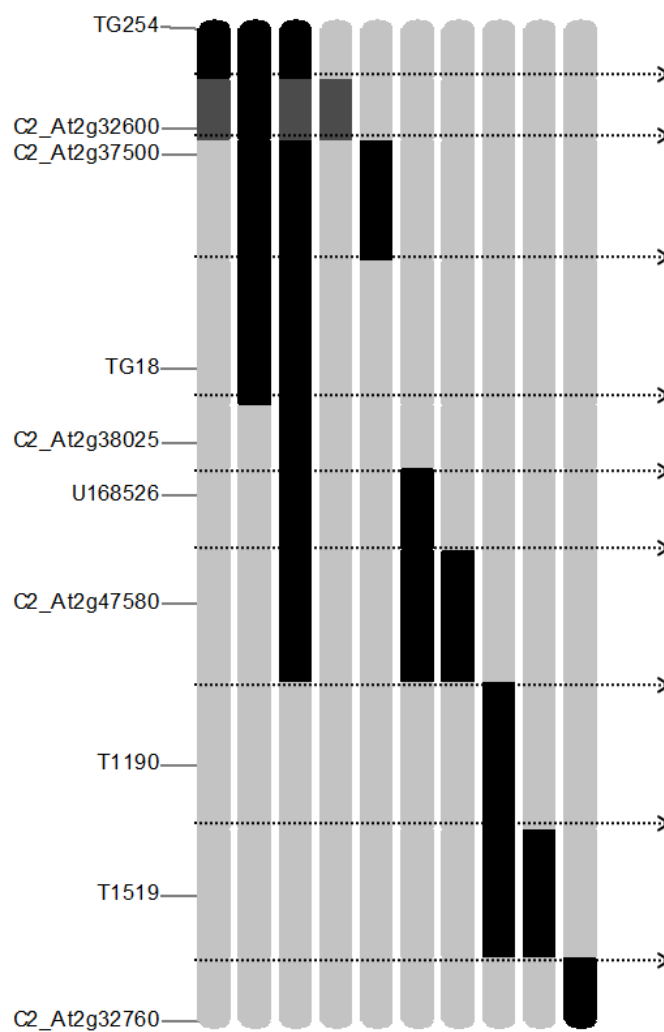
Chromosome 6



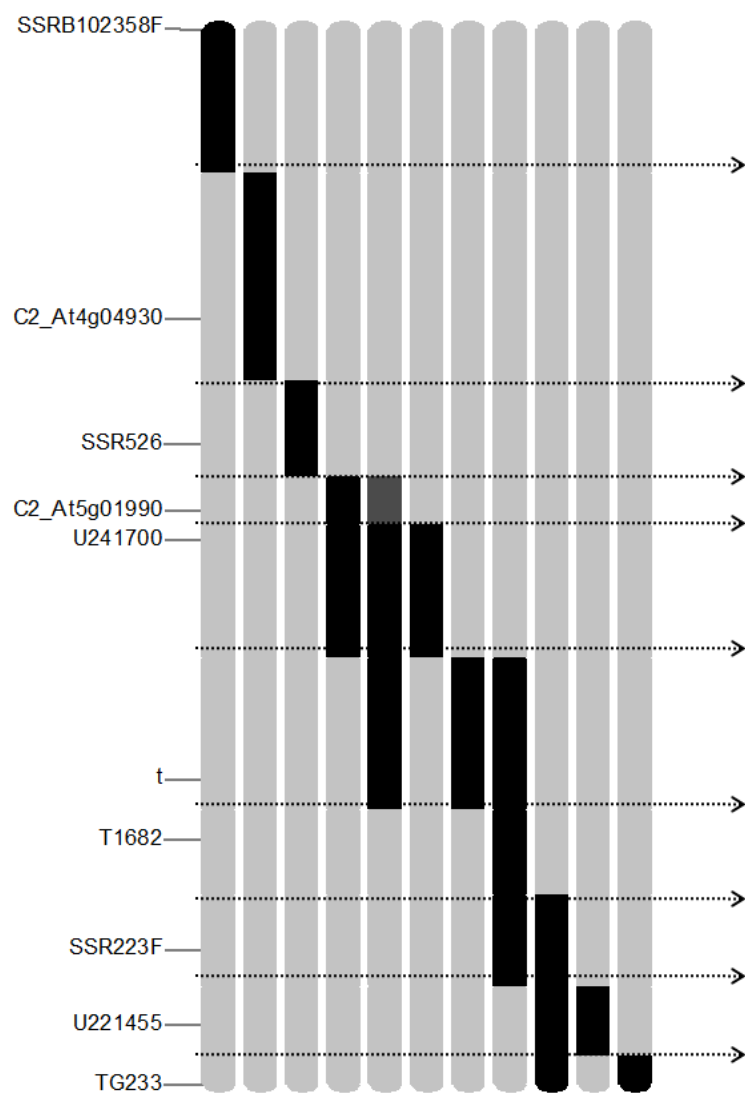
Chromosome 7



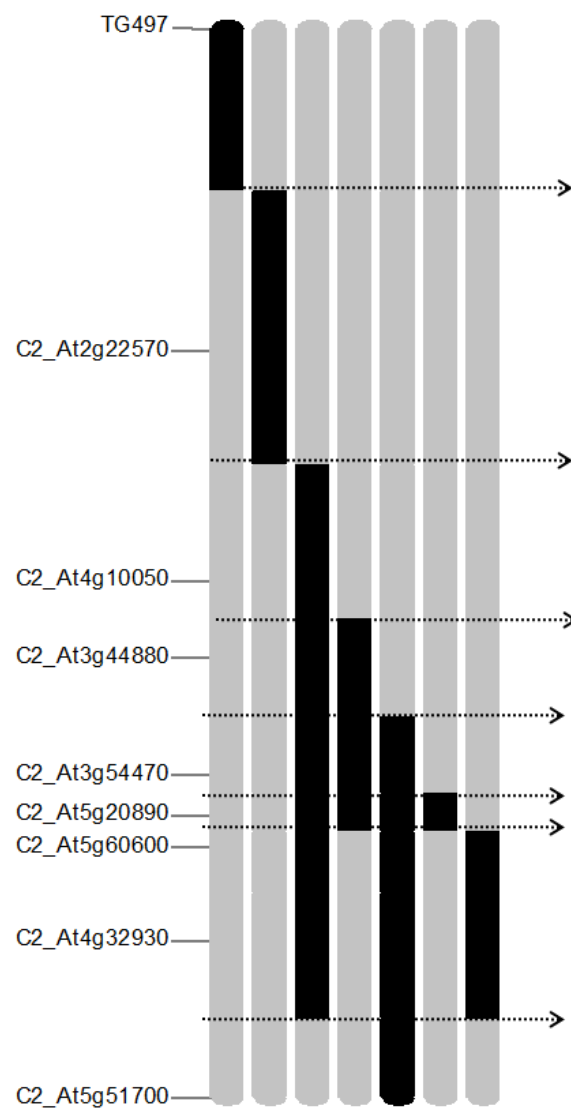
Chromosome 8



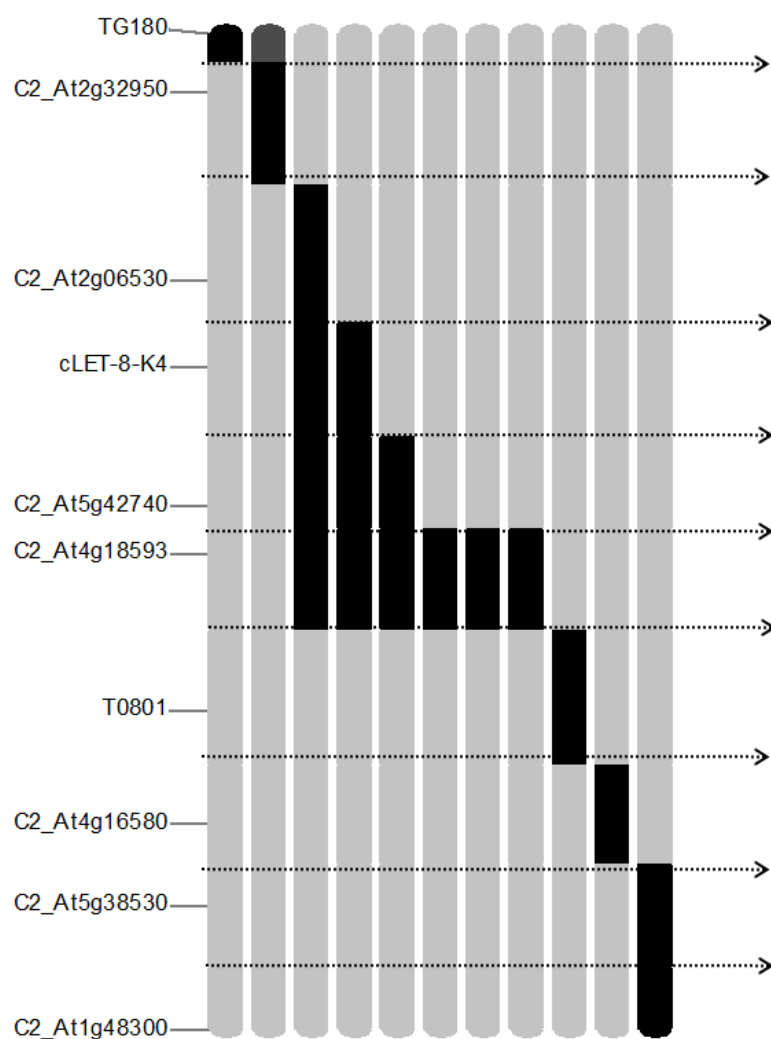
Chromosome 9



Chromosome 10



Chromosome 11



Chromosome 12

Figure S3 Linkage map of selected chromosome segments introgressed from the wild donor (segments labelled by grey shadow), *S. pennellii* LA0716, to the recurrent parent (segments labelled with slash lines), *S. lycopersicum* 1052 for introgression lines construction.