

Table S1. The sequence of SSR primers used in preliminary mapping of the white immature fruit skin color trait

Name	Forward Primer Sequence	Reverse Primer Sequence
SSR23757	TTCGCCTTTACTTCCTTCCA	CGGCAAAATTCCTCCATTTA
SSR05501	GGAATTATGCAATTTGGGCA	AACCAAACAATGCCCTAGCA
SSR02288	TGAAGTCGATGGAATCTTTTGA	TGGGGAAAGAGCTAAGAAGAAA
SSR22638	TGTGTAAGATTTTTATTGGATGCC	CTGAGCTTGATCAATTCCTTCA
SSR12573	CGAAGATCAAATCGCAAACA	TGCTGGTCCTCGTCTTCTTT
SSR16621	CAAAATTTGAAGACTAAATTGGCT	TGCTTTGATTTCAATTTGCCA
SSR00991	TCCCGTTTGATTTCACTGCT	CCTGAATCAGCAACAGACGA
SSR21663	ATCCCCATAATCCCATTTC	AGCATTATGAATGGAGGGCA
SSR10188	GGTCCTTTTGCAGTGAGCTT	GCAAACATGTCAACTGTCCG
SSR32126	ATCCTAGAATGCACGAACGG	AAGGTTGAAAGTATAACAAAACAATG
SSR12032	GGGGGTTTGAATTGAATGTG	CTCTTCTTTCCCCCTTTGCT
SSR03066	CAAAACTTAAGGACCGAAAGGA	ACATGGTTGGTTAGTGGCCT
SSR01601	CTCTCTTTGTTGGCACCCCTC	ACCAAGCGAACTAGAGAGCG
SSR19565	ACACCCCGCTCTAGGTTTTT	CCATACAAGGGTGGAATTGTG
SSR02697	TGCTAACCCAACCAAACAAA	CTGCCATTTCAAGCTATGGG
SSR22862	AATTGGGTCAAAGAAAGGGG	TCGTCAAATGAATCTCCGA
SSR11452	AATCAAAATTAGCACATTAGGATAAAA	TTGCAAGGGTTGAGTACCATT
SSR02244	GATCGTAGGATTGATTGGCA	TGGCACCAATTCAGATACCA
SSR17975	GAGGACAACTCTGCTACGGC	CACCTCCATAGCCAGAAACC
SSR12502	ACTCCTCTTTCATGCTCCCC	GTACGTGTGTACGAGCATGTG
SSR02384	AAAAATCCGACAAATCGTGC	GGTCAAATGTTGCCTTTTGC
SSR18780	CCCATCATGTGATCTACTCAGAA	AAATGAAAAACAAATGAAAATAGGA
SSR19842	CCCCACCTAAACCTTTCCAT	GTTTGTGCAAAACCCAATCC
SSR03150	TTGATTGAATGAATGGTTTGGA	TCAAAATTGATTGGTAAGAAGAAGC
SSR05978	AGTCCACCCTCAAATGCAAC	CATACCATTCCACCGTAGGAC
SSR11742	GCTATCCCCAAGGATGATGA	AGCTTGGCTTCGTCTTTTGA
SSR22593	TCTGAGTTCCATCCCCTTTG	CAATGTGAGTTTTTGGTTGAGA
SSR19844	ACCCATCAACCCATCAACAT	TGGAAGTTGAAAAATGGGAA
SSR12258	GGTTCAAATTTCAAAGTGTATGAAT	GCCAAAGCTTCATAGTGAGCA
SSR05695	CACTCTTGTGGAATCCTTCCT	AGAACCAAGACGGCAATGAC
SSR03462	CACGCGAGAGGAGAGGATAG	GAAACAAAATCTGGGGTCCA
SSR16130	TGCCACAGGGATTCCTTCTA	TGAAACCCATTTGAGATCTCTTC
SSR10018	CTTTTGTCTTGTGGAATGTGA	ATTTGGGGATGGAGAGGTTT
SSR16869	GAAAACATGAAGGCCGTTGT	CCATTTGTCAAGTGCCTTTCA
SSR20162	TGCCCTCCCATATCAAAACA	GGTCATTGTCAGGAAACAAAAA
SSR00168	TAAGCATTCCCCACTTTTGG	GGAAGACACGAGAGAGACGG
SSR06755	GTGGGTGGATGGATTTGAAC	GGAAAATGGACCAAAGATAGACA
SSR20473	ATGTTCAAGGGCCTGGTATTG	TCCAACAGCTCCAATTAGCC
SSR06576	TGATCATGGGAAGAGAGAGACA	TCAAGAAATGTGATGAATGGAAA
SSR24036	AAGCTAAATTTATGAAATGAATGACG	TCATAAGTTAGGATTTGCACTATTTT

Name	Forward Primer Sequence	Reverse Primer Sequence
SSR13150	TGTTTTGAAAATTTTGGTGTGA	TTTCGGAATGAAAATCGTTAAA
SSR23420	GAAGGGATGGTAGATGAAGGG	CTTCTCCCCCTTCTTGCTT
SSR20248	TCCTCAAACGTCTCTCTCCC	GATAGCATGCGGTGTCCTCT
SSR02539	AAAAATGATCAGCTCGATGAAA	GCAAGCGCTTTCCAATCTAT
SSR10522	TTCTTTTGTTTTTGGTATGGG	ATGTCTGCTTTGCTGGCTTT
SSR20932	TGAAACCAAAGTCCCACTCC	TCGACCTCTCTCTCACACACA
SSR20045	TGCACATGTGTAAGGCTTTG	AGGGTGGAGGAATACATTGAA
SSR16183	GGAGAAATTTGATGGTGTAGCC	TTGCAAATCTCTAATACTTTGCCTT
SSR11908	TTTCCAATTGATATCTTCTGCATT	TTTAAAACACGTCGCTAATCTATCA
SSR14841	AACAGATCTTGTTTGCATGGG	TGGACCCAAGAGTTCCTCAC
SSR20251	ATTTGACCTCCCTCTCTCCC	TCATTGCTCAAACCTTTTCG
SSR01981	GTTTGGACGACTGTGTGGTG	GGGAGCATCTCCTCTTAGATATG
SSR18640	GGCGTTGGGTAAAGCATTIA	CGTGGGTTTTTACCGTCATT
SSR13274	TCCACTCAAACCTTTCTCCCC	CAACATTGGATGAGCTTTGC
SSR11633	AATGAGATAACATATGGATTTGTATGA	CACCGAACTGAAGTGTGCAG
SSR18613	CCACATAAAACAGCAAGGCA	TGTTGGTTGGTTGACTAGCATT
SSR07505	GACAGGACCGTTAACCCAAA	CTCCCTCTTTCCTCACTCC
SSR23574	CAGTTCACAACCACATCTTTGAA	CCGAGCTAACAACCCAATCT
SSR15124	TCCACCCAATCTTCCACTC	AGTGCTCTTCACATTTGCCA
SSR22231	CATGTGTGACGCTTCTTTATTTTT	TGGTGCTCCCTTTCTACACA
SSR17024	GATGTCACCGAACCAAGTGA	CCCACAAAGAAGGTTTCAGA
SSR16936	TAGGCCGAGTTGGTGCTAGT	GCTGCATTTGGAATCCTTGT
SSR04385	ATGTGGGGTTAAAAATGGCA	ATGCCACGTACCTGTCACAA
SSR02803	ATTGCTCCCAAGCAACTTGA	ATTTCAAACCTCCAAGGCTG
SSR21197	AAACCATTTGGTATTGGCGA	GTCCAACCAAACCAAGCCTA
SSR00203	AATAGCTCGAAAATGATGGCA	CCTCAAAGAGGATCAAGCGA
SSR31064	TGCCAAAATATGAGTTTAGCCC	GGCCATTGAAGGTGAATTTG
SSR01610	TGGTTGTATATAGAAGGAAGATGTTGA	CCCTTTGAACGAAATCCAAA
SSR00023	GCACGGATTCTGGGTTTAGA	TCATCCTTCGGAATCGTACA
SSR05513	TCTTCTTATTTGCATCCGGC	CTCGCTTTCTCTCGAGCTGT
SSR04836	GACAGTCTGACAGTTCCCCAA	GAGCATCTAGCTGGGGTCAC
SSR12291	CGCACGAGAACCTTTATTGA	TCACATCAAATTAACACTTTCATCTC
SSR16308	CGAAACAAAAGTTTATGATTTTATCG	TTTTTAAAACAATCAATACATGTCAAG
SSR14608	CCAACACCTGGGTTTGCTT	AAAGAAGACGAAGAGGAAGAGGA
SSR19538	TGCATGCAAAATAGGCAAGA	GCCCTGCAGTTTCTTCAGTC
SSR00170	TTGCAATTTGTGCAGGGATA	AGGTATTATGGCCCAAAGGG
SSR21219	CCATTTCAATCCGCATAACC	CGCAATTGACGGCTATGTTA
SSR18949	CTATGGGATCTGGCTCTGGA	GGGTTACGCCAGTATTGTT
SSR14084	GGGTATTTGTCCAATTTCTTAATG	TTTGTGTGGTACCCCAAGTAAT
SSR16020	ACACCATTTTTCATCGAGATTT	GGGATGAGGAGCAAATGGTA
SSR30353	GGACCATTAACTTCCACCCC	ATGGGATTTGCCTGTAATGC
SSR00842	CGCCCAAATTGAACGAATAA	CCTCCGCCTTTCTTTCTTTT
SSR28064	GAAATTAATTAAGATCAAGAAAGGGA	ATCACTTGCATCACGTCTGG

Name	Forward Primer Sequence	Reverse Primer Sequence
SSR05348	ACTGCTGGAAAAAGCTGGTG	AGCCTATTTCCCCGCTCTTA
SSR21936	TTGGTTGGAAAAAGGAAGGTT	GGGCAGAGGCTTTTTCAATA
SSR06240	TTGAACATGAAAAGTATTGGCG	TTGCAACTAAGGTGTGCTATTCTC
SSR04314	CCATGGGGTTCTGTAGCTGT	TGCAGGTGTGGAGAAAAGAA
SSR04689	TCTCCGGCAGAAAGAAAAGA	TGCGTCTCCTTCTTCCTCAT
SSR00084	AAGTGTCAGCATGTCGTTTCG	AAACGTCAGCCACACCTTTC
SSR00218	CGATCTTCGAGTTTCGCAAT	ATCCAACGGCTCTCATTACAC
SSR01099	TTTCCTAGCCAAATCATGCC	CTCGGGTCAGCATCTTTTTTC
SSR00048	CCGATCGTTGCTAGGAGAAC	CTCCCGAAACCTAGAAACCC
SSR17352	TCATCTAAATATAAAGTTGAATGGTTG	CTCCTCACTCACACTTCGCC
SSR15006	CACACAAGGTTTTAGCCACCT	TTGCCATCTTATCTCACAAGG
SSR00477	TATTGCGATGGTTTGACGTG	GCAAATTCCGGAGTTCGTTA
SSR15110	ACGCGATTGAGCCTTCTAAA	TTGAAGATGACGAGCAAAAGA
SSR03070	GCTAACACTACCCGCTGCTT	AACAGAAAGAGAATCGGGGG
SSR12124	ACCTAAGGTAAAGGCGTGATAA	TGGTTGTTGATGTGACTTAGCC
SSR18937	TTACTCCAAAGATGCTGGGC	CATTTGACCGAATCTTGACTTT
SSR00387	TGACTTCCGACTTATGTGGATT	CTTTCTATGGCACGCATTCA
SSR22558	TCAACTTATCCCTCTTTCTATTTCC	GGCAATCATTACCAAAAACCA
SSR21570	ATGTGAAGAAGCAGATGAAAATTA	TTTGTGAAGGTGCATTTTATCG
SSR10849	TCGATCTGGTTTACTGTAGATATGC	GAAGAATTTGAAAAGATAAAACACA
SSR00378	TCCCTAAAATTTGACAACCC	TTAGTATGGCTTGAACACCCA
SSR00030	TGAAATTGCTTACCCTTTGACC	CCATGTTTTGTAGGGATCGAG
SSR24696	TCAAGTCAAGAGCTTGATGACAA	CAACAGTTTAGTTGGAAAGTGACAA
SSR20268	GCAGGATATATTTGAAAACCTGAAA	AAGTGAATTGCTAACAAGAAACG
SSR04219	GAGACATTGTGGGCATTTGA	CTCATTTTCATCCAAAGGGC
SSR22832	TTTGGACTAGCTACGGAACAG	CATCTCAATTTGGAACCTCCAT
SSR22832	TCACATAGGCTTGCTCCAAA	TCAAACACCGCGAAAGAGAT
SSR02634	GGGTTTGTGACACGTTTCCT	GGCAAAGGCAACAAGTTTCT
SSR15312	CCCCTTCTTCTTCCTTCTT	ACTTCTCCGGGAAAATCCAC
SSR16135	GCTAAGTTATTGTTGACCTCAACTTCT	CGTGTGAAATTCAACCTATTCTCTT
SSR16916	AGCATGATGAGGATCCCTTG	CCGAAGTGCACAAAGTATGG
SSR21502	CGGGTCAATTCCATATATTACAAA	AAAAGGGTAATCGTTAGAAACAGAA
SSR06913	TCAAGGTCTCTTATGGGTTGC	TTTCCTGCACATTCTTTCC
SSR10874	CTGGTTATAAATTCTGATGGTGATT	ATGCTGCCATGTTACTCGTG
SSR17108	TTTCAAACCTTCTTTTAAAATGGC	TGGATGCACTCAACTGAAAA
SSR16462	TCACCTTCATGATTTTGCCA	GTCTTCAACGCAACCCAAGT
SSR03606	TGGACGAGACCTATCAAGGAA	TTTTGGATGGACCTTACCCA
SSR12682	ATCCAACCCAATCCAAATCA	GTTGTGAGCTTAAGGGCGAG
SSR05210	TTTATGCCATTGTGCGTGAT	TCAAATCAACGTCAACCCAA
SSR25694	TCATGAACTGAGTGTTAGATTTGGA	GGGGATTTTCATCATCGACAC
SSR11343	GTGGGGTTGCTTTTGATAA	CAATGGTTGCTTTGCTTCAA
SSR20852	AATGGAGCCAAAAATGTGGT	CCAAGCAATTGAATTTTCCC
SSR01903	CATTGTCCTGATGGGGAAAG	ACCCTTTCTCAGCGGCTATT

Name	Forward Primer Sequence	Reverse Primer Sequence
SSR23037	GGGTAATGATCCAAATACCAAA	CCTTCCCTCATCTGTTGTTTT
SSR14949	CGACTTGCTCAACTCGGTCT	TCCTTCCTCCCTTCGTAAAA
SSR07291	CCAAGGAGAAAGAAGGGCTC	AATCCAATCCAAAATGCACC
SSR14290	TGAAACAAAATTTCGAGGTGTGA	TCACCACATTCTTTTTGGCA
SSR01331	CGGGATTACCCCTCACATT	GTGGGACCGAGAAGTTTGAT
SSR33694	TGAAAATTGGATGAAGGGGA	GCTTTTGCTTGTTCTTTGGG
SSR17023	CCCACAATTTAATTGACTCCAA	AATTACCCAATCCAGCCATTC
SSR00973	TTGGGGCTGTTCTAATTTCCG	TCGTTGTTGAAGCCAAAGAA
SSR20859	CACTGATTGATCCCATGTGC	TCGCTGCATATCTTCCTGTG
SSR32935	TTCTGTGGTTCATCTGGACG	CACACCAACCAGAATCATCAA
SSR19174	TGCCGTACACAAATTTCAAATAC	GAAGTATAATATGCACAAATCCCA
SSR05949	TGTCTAACTATTGCTTCCCCG	GGACTCGACCCTTCGATTTT
SSR11985	GCTGCATTTCAATTAACGCTT	TGGTCCATCCTCACCAATTT
SSR18289	TGTTTTGAAGACGGAACAA	CCACCCACCCTTACACAGTA
SSR19165	AATCCACGTTGGTTGTCGTT	GAAGGGCCAAAAATGTTTCA
SSR30097	AAAGCAATTCTCATGTTTTCCC	TTCGTCCTATTTGTACGACGTG
SSR15482	AAAAACAGCAGGGCAGAAGA	GTTGAGCTGTCTATGGGGGA
SSR13611	ACGGGAACACTCATGTCTCA	TTTCGTTGTTTAGTAGACGTTAAAAGA
SSR00233	AACCATAAAGTCGGGAGGGT	GGGAAAGGCAGGAGAAAAAC
SSR01234	TTGCTTGGTAAAGAAGAGTTGAGG	ATGGGTGCAAATAGCAGCTT
SSR11244	TGTGGGACCCTCCAATTAAG	AGATTTTGTGCGCCACGTGAT
SSR14001	GGCTTGATTTTCGGTTACGA	CTTTTCCGGTACACATCCG
SSR01643	TGCAGGTCGACAATTCAATAA	TCAAAAGGCACATGTGATGTC
SSR18251	AAATGGCAAAATAATGCATGG	GAGACAGCCACAGAGATTTGG
SSR05946	CCTGAGAATCGAAGGTCACA	GCCATCACTAACTGACGCCT
SSR01873	TTTTCTCTCCCACGTTTGTTG	CAAGTGGGCTCGGTTCACTA
SSR00193	GCCAATCCAATGGAACAAGT	TTGTAAACCAAAACCTTACCCC
SSR11512	CCAAAAATCTTGCATTTTTAGATCA	GGGTAATCCCCATTGGTCA
SSR21440	TTGTATCAAATTGTGCCTTAAAAGTT	TGCATGCTTATCTCCTTTTCA
SSR12347	TTCGAATTGGATTGGGTCTC	GCAATCGGTTGACTTTCCTT
SSR07108	TAAGCAATTCCAGGAGAGGG	GTTCTTTGATGGGTGCCTGT
SSR10518	TCTAATTCGCTCCGGATGAT	TTGCAGCGAACAATCCTGTA
SSR01286	CCGAAAACCATTGTTCAAGC	TTTAGCTTAGTTTCCAAGCACTGA
SSR15172	GGTGTGGGTATTTTGGCAC	GAAGAAATCAAAGAGGGGGC
SSR17814	TGTTGCTTACCCAAAAAGGG	TTGGCATTATGTGATGATTGA
SSR13818	TTGTTAGTTCATTTGAGGTGTCAAG	TCCATATTAACCTCTCTCAGGCTAACA
SSR12083	GAATTGGCCCATCCTTCATT	GCCATTCCAAAAACTTTTCAAC
SSR05865	AGCCAAGACAATTCACAGCC	TTTCCTATCGGGTCTTCGTG
SSR16941	ATCGGTGGTAGTGGTTACGC	GTGGGGTCCAGAGTTGAAAA
SSR22227	ACGTGAGAGACACCCCTCC	TATCCCATGGGTATGGTGTG
SSR23732	CCACCTCACATCTATGGGCT	GATAAGACCACATGGTGGCA
SSR05492	GCAACCATTCTTTACTGTGCC	AGGGCATTTC AAGACAAACC
SSR13275	CACCTTGTTTCGCACGAGTA	GGAAAGGGACCACAAATTCA

Name	Forward Primer Sequence	Reverse Primer Sequence
SSR23757	TTCGCCTTTACTTCCTTCCA	CGGCAAAATTCTCCATTTA

Table S2. The sequence of all CAPS primers used in fine mapping of the white immature fruit skin color trait

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
H1-1	AGAGGAGGTCAGCTCCATGA	TGAAGCGTCAAGATGTGGAG	XbaI
H1-2	CTCTAACTCGAGGGGCAGTG	CCACCACTGAATTTGCCTTT	MspI
H1-3	CAATTCCTGCGGAGTTTCAT	GGGTGGTTTGAAGCATAGGA	MseI
H1-4	TTGGTGGCCCATCATAATTT	GATACTGGCGGTTCGCTAAT	MspI
H2-1	ACTGGCTTTGAAGACGAGGA	GGTGCAGCTCAAGGATTAGC	KpnI
H2-2	CCACTCCCTCCAAAAGAACA	TTGCAAAGCTCAACCAACTG	HindIII
H2-3	TATCATCGCCATCAGATCCA	CTTTTGTGTGGTGCATTTGG	EcorV
H2-4	ACACGTGGCAAAAATGAACA	ATTCATCGTTGTGGTCGTCA	EcorI
H2-5	TCGAACCACTTGAGCTTCCT	GTAATGCTCAATGCCCCACT	EcorI
H3-1	CCAAACCCCTCCAATGTATG	AACATGCACCACAACCAGAA	EcorI
H3-2	AGATTGGTCCTCCGTGTGAC	GTGCCCCACTAACCTTTGCAT	MspI
H3-3	CGACACATTGATCCGAACAC	CTTTGGGAAATGTTGGCACT	KpnI
H3-4	GTCGGTTTTCTCGATGTTT	TGTGCCAGAGATTGCTGAAC	RsaI
H3-5	CACACTTCAACAGCGAAGGA	AGCTTTGATGGAGGCTGAAA	EcorV
H4-1	GTGACCCGAAAGTGGAGTGT	CGGATCCAGTTGTTGGAGTT	EcorV
H4-2	GTGAAAAGGCAGCTGAAAGG	GAAACCAACAAGCACGGAAT	MspI
H4-3	GTTGGTGAGGGTTGTTGCTT	GGGTCAGACGATGGAACAGT	EcorV
H4-4	TTTTGGCTATTCTCCCATGC	CGTGCTCTCAATTGGGAAAT	MseI
Q1-1	GCAATGCAAAAGCAGTCAAA	TTGTGGCAACACAAATCGTT	MspI
Q1-2	GGCCTTATTTTCCCTTTTGG	AGAAGCTGGGAGAACGTGAA	EcorI
Q1-3	GTTGCAAAAGTGGAGGAGGA	CATCCCCTTCTCCAAGATCA	XbaI
Q1-4	GAGGGACTGCCACGTATGAT	CTCGGTGTCGGTAACAACCT	HindIII
Q2-1	TTAACCACACGGCAGTACA	CAACGCCAATGCATTTACAC	XbaI
Q2-2	TTTCCAAGCTGACCCATTTT	TTGTGTCGTGCACTCATTCA	MspI
Q2-3	GCCATAATGCTTTTGTGCAG	TTCACGATGAAACCGCTACA	HindIII
Q2-4	ACGAGACGACCGATCAATTC	TATGGTGTTCGCTCTTGCTG	MspI
Q3-1	GAGGATTCATGCCTTTTGA	GCAGAATCGGGACAATGAAT	MspI
Q3-2	GGGATCGAAAATACCCGAAT	TTTATTCCCGCATCGAAGAC	HindIII
Q3-3	TGCAAGTAGTCCCTCCAAGTG	CTGCATGCTCTGTTCTCACC	HindIII
Q3-4	CCAAGTCCAAAAGGGATGAA	CTTCCAAATGGCCAAGGTAA	MspI
Q3-5	TGAGGAACCCACACAATGAA	AATCCCCAAGAATTTCGATCC	XbaI
Q4-1	ATAAACGCGGTGAAAGGATG	TGGAAAAGGAGAGGGAGGTT	EcorV
Q4-2	GGATCTTCCGGGGACATTAT	TAACCACAACCAATGGCAGA	MseI
Q4-3	GCTCATGGTGTACGTTGTGG	AGATACGCTCACCTGCCTGT	EcorI
Q4-4	TCTTGCTGAGCCAAGTCTA	CTTTCCCACTCTCCAAGCTG	MseI
Q5-1	GTCACCTCTTTACCCACGA	TCAGAGCCATCTTGTTGCAC	HindIII
Q5-2	GACTCGAGGCCATCTTTCAG	TGACGACAAAGGGTTGAACA	MseI
Q5-3	TGGCTCCTTTCTCTGACAC	TTGAAACCCACACAAAGCAC	EcorI

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
Q5-4	CCATGGGTGGTTCTTTGTCT	ATTGCCTCCTCCCATCTTTT	EcoRI
Q400-1	GAAGGACCATTTGACCGAGA	TTACGTTTCGCAGAGATGTCG	EcoRI
Q400-2	CGACTTTTCAATGTCCACTCC	TCTCCATCGGCTTTGATTTT	MspI
Q400-3	TGCTGCATTTTGTTCAGAGG	CCTATGTGCAACCACCACAG	KpnI
Q400-4	CATTTGCAATTCCACGAAGA	GTTGTTGTTCATGTCGCATCC	HindIII
Q400-5	TACAACCTTCCTGCCCCACTT	TTCAATCCTCCATCCCTCTG	EcoRI
Q400-6	GATTGCCAAGCCACGTTTAT	GCGGGATTCAAGAAACAAGA	EcoRI
Q400-7	CTACCCAGCTTGGCCTTGTA	GTTGTTCCCTCTGAGGCTTCG	XbaI
Q400-8	GGCTCTGCTAGGTCAACGTC	GGCCAAACACAGAGAAAAGG	MseI
Q400-9	TTCAAACCTCAGCTTGGTCAAAA	ACCCGAGCTTGATTAAATGG	EcoRI
Q400-10	TCTCACCTCATTTGCTTCC	CGAACCCTTCATCATCAGGT	MspI
Q400-11	TCTCTCCTTCCCCTTTCTC	GAATCCCACCTGCCAGAGAA	MseI
Q400-12	GGCAGACCAGAAAGACAAGC	GCGTAGGAAGCTGATGGAAG	MseI
Q400-13	GGGATAACTCCATGCCAATG	AAAAAGGAGGAGCGGCTTAG	MseI
Q400-14	TCTCTCGCCACCAATTATCC	ATTCCTTGCACGAAGTTGCT	RsaI
Q400-15	AAACCATCAGGAACGTCTGC	GAGTCCCTCCACCTGTACCA	RsaI
Q400-16	ATGACCGGACACTCTCGTTT	CAAGCCGTCTCCTTGAACAT	XbaI
Q400-17	GCACCAACGGAAATTTGTCT	TCTCGTCGCCTTTTCCTCTA	MspI
Q400-18	TACCCCCAGAGGTTCTGTTG	GCCAGCTCTCTGTTCAATCC	MseI
Q400-19	GACGATTGGCCTGTTTGAAT	CCACGAACAGCCTCTCTAGG	MspI
Q400-20	CAACCCGCCAACCTTTAGTA	GTCCCAAACCTGCAAGTGAT	KpnI
Q400-21	TCGCTACATTCATCCAGCAC	GAGGTTGAGCTTGGTCTTCG	HindIII
Q400-22	TTGTTTCGATGAAGTCGCTTG	TTATCATGGGACATCCAGCA	RsaI
Q400-23	GGGAAAAACGAATGTCCAGA	TGTGCCACATTCCAATTGAT	XbaI
Q400-24	CTTGCAAGGAAGGTTCTCCAG	CAATCCAAACAGGCCTTCAT	EcoRV
Q400-25	GGAAATGTGTGGAGCTGTCA	ATATCTGGCCCTTGCCTTTT	MseI
Q400-26	TGCTTGGCCAATAGTACGTG	ACGACACCTACCCAATCTGC	EcoRI
Q400-27	GATGGAAATGGGAGCACAGT	GCAAATGGAGCAGTTTGGAT	MseI
Q400-28	AAGTTCTCCAATCACGCCTTT	CCCATCCAACACTTTCATCC	HindIII
Q400-29	TGCAATTCTTTTCTTCAACAA	ACTTCCTTTGGCCCATCTCT	MseI
Q400-30	CCCCAATGAAAGACCTTTGG	CCAATTCCACGAATTTGTCC	EcoRI
Q400-31	AGGCATCGTACAACCCAGTC	GGGTTTTCCTCAATCTGTGTG	Tsp509I
Q400-32	CCCCTCTTTCTCCTCCCTTT	TTGAATGCAACAAAGGGTCA	EcoRI
Q400-33	CGACGTGCCTTACCATACCT	ACTCCCTAGGTAGCCCCAAA	EcoRI
Q400-34	CAGCACAGCAACGCATAGTT	CCCCCTTCAACCTTGTTTTT	MspI
Q400-35	TTGGATGAGCTCTGCCTTAAA	CGAAAAAGGGAAAGGGAAAG	MseI
Q400-36	TTGTCAAGGGCGATGTAAAA	CACGAGAGAATGTTGGGAAAA	MseI
Q400-37	TAAAATGGGCGCTTTTGAAT	TGTGGCATCATTTGGTTTGT	XbaI
Q400-38	GCACAAACCTCCTCCTGCTA	TGACAGGGATCACAAATCCA	XbaI
Q400-39	CGGATTTGGAGCTGAAGAAG	ACATTTGACCAACGCCTTTC	XbaI
Q41	TATCTCCCTCACCGAACCTG	ATGGAACCAGTTGGCTGAAC	MseI
Q42	GCATTAGATCCGGGAAACAA	ACAATCCTTGGCAGAGCAAT	MspI
Q43	AAGAAGCTGCTGCTCTGTCTG	CTCGAGCTCATGGATGTCAA	HindIII

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
Q44	TGGAAAATCCGTTTCGTCTTC	TCAAAGTCCAATTCGTCGTG	HindIII
Q45	GATGCCAAAGGGATTTCAGA	CTTGCTCGTTGGATCACTCA	HindIII
Q46	AACGGCTGCTGAAACTGAAG	AGGAGTCATCAAAGCCATGC	MspI
Q47	TTGATGCGCATGTATTGGTT	ATGGGATGATGAATGCCAAT	EcoRI
Q48	GATATCGCCAGTCTCCTCCA	GGTGAAGACGGTGATGTTGA	EcoRI
Q49	TCACCACATCAATTCCTCCA	GGAAAGGGTGGCAGTGTAGT	HindIII
Q50	AGCATAGCAACAGGCCAAGT	CATAAGCTCGATGGGATCGT	HindIII
Q51	ATGATAAAAGGGCGTCATGC	CGCTGATGCATTAAGCTGAT	EcoRI
Q52	AGCTGGATCTGCTTCAGTTTG	ATCGCATATTGCTGGATGTG	EcoRI
Q53	TCCTCACCTTCCTCAGCCTA	GGTAGTGGAGGCAAGAGCAG	RsaI
Q54	CCAGAAAGGCAAGCAAAAGA	CCTTCATGGTTTGGCAGATT	MseI
Q55	TTACTTGGGTTCAGGCAAG	CTCCTCACTGCCAAAACCTC	EcoRV
Q56	AGATTGCTGCAGGTTCCATT	GCCAGCTCCTTCTCACCTAT	HindIII
Q57	TGCTCCCAAAGTTGCTAAGG	TTTTTGCTGCTTGCCTTTCT	MseI
Q58	CCAGGCCCACTATCTCTTCA	ACCAACCAAGGTCAAGATCG	EcoRI
Q59	CTGGCAAGGCTTTGGTATGT	ATCCTACAGCCTGCCTCAGA	MseI
Q60	GCAAGTCCCAAACAAAGAGC	CTCGATGGAAAAACCCAGAA	KpnI
Q61	AATTCATTCCCCTTTCTGC	AGCTTTGTGCGGAACATTTG	HindIII
Q62	TCCGTAGGTCTTGAAGCACA	TGCTGCTTTTCTTGCTTTGA	EcoRV
Q63	TTGGGATTTTGGAGGATGAG	TACTCAATTGCATCCGCAAG	EcoRI
Q64	GCTCTCTAGCCGATGCAAAG	TCCGTTTCATGGATCTCTCC	EcoRI
Q65	TTCTTCGAGCACCTCGATCT	CATTGCAGAGTCTTCCAGGT	EcoRI
Q66	TCAGGCTTTAACTGCCAAGG	CTGATGTCGGAAGCTGGTTT	MspI
Q67	GGATGCCTTACCTTCTGTGG	AAGCCAATTGATGCTCCAAG	KpnI
Q68	TGGATGACATGGTAGCTGGA	GGCGGCCATACTTTATACCA	RsaI
Q69	GATGGGGAATTGCTGAAGAG	CTTTTGTGCCAATTTC AACG	RsaI
Q70	CTATCCGACATGGCAAACCT	TGCTTCGGAGAGCACCTTAG	HindIII
Q71	AACAGTTTGCGTCCTTGTGA	ATTTGATGCCCTCCAAACAG	HindIII
Q72	TCGACTAGGCGTTCATTCT	CAGTGGAAGTGCCTCTTC	HindIII
Q73	TCGAACACGAACGAAGTTTG	TTTTCCACACACATGCTCAA	HindIII
Q74	TGTCTCACATCCCCATCTCA	TGGGTTGATTTGGTGACAAG	XbaI
Q75	AAGACGAACACGCCTCAAAT	ATTGCGAGAGGAAAATGGAA	XbaI
Q76	TCATCCCCTGGTTTATGGAA	GTACGGCCGTGGAATAAGAA	HindIII
Q77	AAAGCCAATCATCCACAACC	AAAAGGCCAACAAGCAGAGA	MseI
Q78	ACCTCAAATTTCCCCAGCTT	ACTGAGCCACTTTTGGATGG	MseI
Q79	AAGGTCTTCGAAGCAGTGGA	CAGCTGTGATGGCTGTCAAT	MseI
Q80	CAAAGGAAGGAGCAATGGAA	GAATCAGGAACCCACTTGGA	HindIII
Q81	TGCAATCAATGCAAGAGGAG	TCGGGGACCAGAGTGTTAGT	HindIII
Q82	AAACCTTCTTCCATGGCTCA	TGCTTCTTGTTCGATCCCATA	RsaI
Q83	GTGGTCCGTGGTCTGCTAAT	AAGACGGGTGCAACTGAATC	MseI
Q84	GGGAAGGATATCCGCAAAAT	GGCCACTGAACAGGTGTTTT	EcoRV
Q85	TTTTTCTGGCCAGGTGCTAC	CAGCCGAGGAAAAACAGGTA	EcoRV
Q86	AATTCGACGAGCAGACAGGT	AGAAATCCACCCTTCCAACC	MspI

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
Q87	ACCACCAAAGGTTCCAAC TG	CCCCGTTGTTAAGGTATGGA	EcorV
Q88	CCC ACTCTTTTGCCTTAGCA	TTGAGTCACGAACTCCTTGG	MseI
Q89	GCGTCTAAACCTGCTCGTTC	AAGGGTGTGACCATTGAAGC	MspI
Q90	GGCTCATCGAAGACTGGAAC	GGTTCCATTTGAGCCACATT	EcorI
Q91	AGGGGTGCAATGAATGTGAT	CTTGTGCCACCTTTGTTTCA	XbaI
Q92	CCATGGTTTTCTCGAGTTGG	CTACTTCACAGCCCCACACA	HindIII
Q93	CGACGGAGTAGA AACTACACG	TATGCACCAATCCCACAAAA	XbaI
Q94	AAGCAATTGCAACCCG TAGT	GATCGTTCTGCATCCGAGTT	XbaI
Q95	TGCCGATTCTTTTCAAATCA	TCATTTCCACTCCCAACCAT	HindIII
Q96	CGGATCCCACCTTGTTTAAT	AGGGCAAAGGCAACTATCAA	HindIII
Q97	ATGTGACCCAGGAATGGTGT	TTTTCTGCTGGGCTTGATCT	EcorV
Q98	AAGACGCGAGGAACAGAAAA	ATCCTCAAGGTTCCAGCAGA	XbaI
Q99	ATGTAAGGGGCAAATCCTGA	GAATCGTCACGACCCTTTGT	EcorI
Q100	TCCCACACATCAATCAGAGC	GGCGAGATCGAGAGAGTGAC	MseI
Q101	GTATGCCCTCTGCTGCTCTC	ATCTGTTGCAGGTGTTGCTG	EcorI
Q102	GTTTTTCATGACGGCTCGAT	GGCAAAATTTGTCGAAAGGA	MseI
Q103	CCTTCTCGGATGCTTTTCAG	AGCTTATGTGGCGCTTGTTT	HindIII
Q104	TTGCAAGTTGCTGTGTTTCC	TTGGGGTTTCCCCTTAGTTC	HindIII
Q105	AAACCCATCGATGACAAAGG	GCTTGTAACGGGGACGTAGA	XbaI
Q106	TGGTTCAAATAGCCGTTGCT	CACCATCTCGAATGTCTTGC	EcorV
Q107	GGCGAGCAGTATGTCTGTGA	CAATGTGGGTGTCTTTGGTTT	MseI
Q108	CCGGACTTAGGGACTTCACA	TCGCTCCCGTATCAACCTTA	MseI
Q109	CCA ACTCCAAACACACACCA	TCAACTCGATTTCCCGTCTT	HindIII
Q110	CCCAACATTGCGAGTAACCT	GGTTGACAAGTGGTCGGAAT	MseI
Q111	TTCACGGGAAAAATTCCAAG	GCTTCCACCGTCATCAATTT	EcorI
Q112	TTGCCAAATCCCATTGT TTT	TCGGAATTGGTCATTACTCG	HindIII
Q113	GTCGGGGAAGCAATGTAAGA	TATGCGAGTGGCACGTTATC	EcorI
Q114	TACAATTTGGGGTGGGAGAA	TGGTCCGAAGTAGGTGTGAA	EcorI
Q115	CTGCCATGCTGAAAGAACAA	TTTTGGCTCAATGCACTCAA	XbaI
Q116	GGAGCCTCCATGCAAACTAT	TTGCCCTGACCCTACTCTTG	MseI
Q117	TAGTCCATTTGTGCCTGTCG	CACAGCACACACACACGTTC	EcorI
Q118	TGAGGGTGCATCTAGCAGTG	GGAAGACCCACAAGGAGACA	EcorI
Q119	TGCATGCAGGTGCAATAAAT	CATTGTGCCC GAGAATAGGT	XbaI
Q120	TCTGGTTGTGGGTTGTCAA A	TGTGAAGCAATTACGCAAGG	MspI
Q121	GGCTAGCCAGGGTGTC AATA	CGTCACATATCGAATTTAAAGCA	HindIII
Q122	TCCCCTACTTCCCTCCTGAT	AAGAGTCGGACCAGCACAAT	MspI
Q123	TTGTTGCAAGGAGCACAATC	AATTCCAAACAGTGCCAAGG	MspI
Q124	ATATGCACCCAGAGGTGAGC	ACAATCCAAGGGTGTTGAG	HindIII
Q125	CTGGCATGTATGTTTGATGGA	CACCAAAGCTTCCACTTGGT	HindIII
Q126	TCATTCCCATGCTTTCTTCA	TTTCTCGCTTCATGGGATCT	MspI
Q127	ATACAAGCAAGGCCAACCAC	ATAAGAAATGGGCCGGA ACT	EcorV
Q128	AAGGAAGGCGTCAACTAGCA	CCATTCCTCTCTGGGATTCA	HindIII
Q132	GCAAGAAGCAACAACATCCA	GGGAAATGGCCCAATAAAGT	EcorI

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
Q133	AAAAAGAAACCCACGCTCT	TGAGTTTCATGCGAGATTGC	MseI
Q134	AAGTGCCTGAACCAATGGAC	AGTTGGACCAGCACCTTGAC	HindIII
Q135	GCTTGGGGTAGGAGATAGGC	AAAATTGGGGGTGGCTTAAC	MseI
Q136	TTCCTTTCGCACCGTTAATC	TTTGACATGGCACCTGATGT	EcoRI
Q137	GTTGGGAAGAGGGTGTCTGA	AGAATGATCGGCTTCAATGG	EcoRI
Q138	TAGGTTAGGCCAGGGACATC	TTTAAGGCTGGTGGTGATCC	RsaI
Q139	GAGCTCCACTTTGGACAAGC	GAGCTCCACTTTGGACAAGC	MseI
Q140	CCTTGGAGCATCTAGGCAAG	GACATGTGGAACATGCTTGG	HindIII
Q141	AAGCTGATACATGGGGTTGC	TGGCTTCTTCATTGCCTCTT	HinfI
Q142	AAGCTGATACATGGGGTTGC	GGTGACCATGGCTTCTTCAT	MseI
Q143	TACTCACGCCCCAAAGAAAC	AAGCGCCAAGCAACTTAAAA	EcoRI
Q144	CCTTGGAGCATCTAGGCAAG	GCTTGGGACACTTCTTCGAC	EcoRI
Q145	TTGGAGAACGAGAGCAACCC	CCGATCTCAACTTGAATATGGA	XbaI
Q146	TTTCCTCTCATAAGAATTTTGGACG	ACTCACACTGGTTGGAATCT	HindIII
Q147	AGGCCGACCATCATCGTAAC	ACTGGAGTGCCCTAGATGCT	HinfI
Q148	TGCTTGTGATATACATCTTGGGTTG	ACGTCGTAACGCTAAAACAAGT	DraI
Q149	TGGAGAAATCCTTTCGGACTCT	GGAGCTTGAGCCTTCACAGT	XbaI
Q150	ATACGGAGCATGAGAAGGCG	AGTGTAAACTCTTTGATGTGGACC	DraI
Q151	TAAAATTTGCTGTGGCTGGGC	TGGCAAATGAGTTTCAACCTTC	EcoRI
Q152	TTGGAGAACGAGAGCAACCC	CCGATCTCAACTTGAATATGGA	HinfI
Q153	AAGGCCCCAAATCATCTCTCTT	CATGTCTCTCTCCCTCAGCG	TaqI
Q154	CAAAGACTCCATGGGACTGGA	GGCAAGTTAGGCAGACCCAG	TaqI
Q155	CCTGACAAGGGTTTTGCAGC	GAGAGTCCGAAAGGATTTCTCCA	HindIII
Q156	GCCAAGACGACTTGTTCAACC	ACAACCACTCAAAACAACTTCG	AluI
Q157	TTCGAAGTTTGTTTTGAGTGTTG	CCGCCAAACATGCCATTTC	AluI
Q158	TGGCATGTTTGGCGGTTTTTC	GACCACCGCTAAGGGAAGAG	HindIII
Q159	TTAGCGGTGGTCACACTTCC	AATGTGAAAAACGACCATAGCAGT	TaqI
Q160	TACTGCTATGGTCGTTTTTCA	GAAGCCAAGAGGTCTCCGAC	TaqI
Q161	TTCCTTCCGCTCAGACCAAC	ACTTCAAATCCCCCAGACC	MspI
Q162	GACAGCGCCAAGCGATATTC	ACTGAAAATCTCCGGCCTCA	EcoRV
Q163	GTCCTGGTGAATGGGTGAGG	GAATGAACTGCCGACTCCCA	HindIII
Q164	TAAGCTCGTCTTTCTCGGCG	ACTGGGTACAGCTTGGTGC	EcoRI
Q165	GCACCAAGCTGTAACCCAGT	CCTTGAGTGGAAGCAGGCAT	MseI
Q166	AGAAGCTAAGTGACAAGCAACG	GAGAACTCCCTACATCCCTTCA	HindIII
Q167	AAGTGGATTGAGGAGGTGCG	AACGTAGATTGAGGTTGGAGGT	MseI
Q168	AGCCAAAGCCCGTGAATAA	ACCATTTCAAAGAACAAGGCAG	EcoRI
Q169	TCAAACCCTCCTGCAGTTCG	CCGCGATTCGATCCAAGAAG	TaqI
Q170	TGACTTCTCTTTCAGTTGTCAAGC	ACTGTCTATGTGCCAGTGC	DnpI
Q171	ATCTGGAACGGGGAATCTGG	ACTGCAGTGCCATCACTATCAT	DdeI
Q172	TGGCACTGCAGTTTAAAGCAC	CCCGCCTGCAGCAGATATAG	EcoRV
Q173	TGGCGCTCTCATTGTAGCAT	ACGTCACTCAATACCTGGACTC	HindIII
Q174	ACTGTGGAGGCAGCATTGTT	AAGTTTTCGTGCTCCTTGCG	EcoRI
Q175	GATGGATGTTCTTGCTGGCG	TGCACTTGAACCGGAAGTCT	EcoRI

Name	Forward Primer Sequence	Reverse Primer Sequence	Restriction Enzyme
Q176	ACGGAGCTAGACACTATCGTT	ACTCCAAAATGTGAAGACGGC	XbaI
Q177	ACGATCAAAGGGCAACGACT	TGAAGTTGCAAAGCATCACCA	HindIII
Q178	GAATTGGTGCTCACACACGC	GCCGCACCTTCTTGAGTACCT	HinfI
Q179	TCCCATGAGAAGGTTGTGTTTGA	AGAGCTCAGAGTACACAAGGT	DraI
Q180	AGAGAGCTGTAAAGCACATAATTC	CAGGCCATGATAAACTGCATGA	XbaI
Q181	GCTCAGCCTTTTGCTTACTTCA	TACACCAGTCAACGCAAGTT	DraI
Q182	TGGCCATCAAATTGCGGTTC	GCCGATCAACTCCTCCTGTC	EcoRI
Q183	GACAGGAGGAGTTGATCGGC	GGTCTGAAAGAAACCAGCGG	HinfI
Q184	ACATAAGCCTTAATTGGAAGGCA	TGCAAGATTTCCAAGGCCAAC	TaqI
Q185	AGCCAAGGTTGGAGAACGAG	GTTGACACCCCATAGCGACT	AvaI
Q186	AGCTAAGAATCAGTGGGCACC	GAAGATGCCAGGGCTCTCTA	XhoI
Q187	GAGGCCTTCGAATTTTCATGAGC	CTCAGTTTCGACGAGGGTGT	MluI
Q188	TACGCTCACTGTTGATCGCT	GGTTCGAATCCCCTTACATGGT	EcoRV
Q189	ACCCTTCTCGATTGTGCCTC	AGCTCTGATCAAACCTGCGTGA	HindIII
Q190	AGGGAGGATGCTACAAGTGA	TCCCTATCCCCTTTTCGGTT	EcoRI
Q191	TTCACCGTGGTGGATACAGG	AGGTGGTGTCTGTAGTTTC	EcoRI
Q192	TGCCTCTGCTTCTCCTCTTCA	TCAGACAGCGAGGTATTGCT	XbaI
Q193	AGCTTCAGAGTGCTTCGTGT	GCAGCCTTTTCTCGTTCAACT	Hpy166I
Q194	TCTGTCGCTATCTTGCATCACA	CAATCCGCAGCTATTTCGATGG	MspI
Q195	GGATAGATGCAGCGTTTCTGT	TGATTGAGACAGGCCAGCAT	EcoRV
Q196	TGGTCCGTACTTATATCGAGAAG	GGGAGCAATCTCAATGAATCACG	HindIII
Q197	CACCCTTGGGTGGAGTTGT	ATCCTTGTCCAGCTGTGTGG	EcoRI
Q198	TTTTCTTTAAATCTCAGGCGACC	CCTCGGTGTACCTGTCTGTG	MseI
Q199	TGGCAGAACTCAGGTTCCA	AGCTAGCAAACCTAAGGGAGCA	HindIII
Q200	GAGAGTGCCACGTGTAACGA	TCAAACGGTGCCGTATGGAG	MseI
Q201	AATTCAAAAATGTAAGACCACAGACA	AGCCACTCTGTTCCACATGA	TaqI
Q202	AGATCGACACTTTTGAGACACT	GCCTTCCAGTCACGAGGAAT	AvaI

Table S3. qRT-PCR primers of all 13 candidate genes.

Name	Forward Primer Sequence	Reverse Primer Sequence
q4070	CCTGACAAGGGTTTTGCAGC	TCACTGAGGAAAGCCCCAAC
q4080	CCATCGAGTGTCCACAAGAGC	TTCGTCATCAGTGAAGGCAAA
q4090	ATCGTCGTTTCACTCGGCTT	TCATGGCCGTGTCGATTTCA
q4100	CACCCATGCTGTTTTTCAGCC	CGTGAACACGCCAAATGGTT
q4110	TACGATCCACGTCAAATCTCCTT	TGCTTTCTAGTCCCTTCTCAACA
q4120	TCCTCGAATGGCTGCTTCTC	CTCACCATCTCGGCAGTGTT
q4130	ATGATGCTTGGAGTACACGAATG	CAACTTGCTGAAACCTGTGAGAC
q4140	TCAGGAGGGCCAACCTCAAT	GGGTCCAGTCCACCTTTGTT
q5140	CTCATGGTGTACGTTGTGGC	GGCATTGAGACACCACACCT
q0640	TTTCTTACTGCTTGTGGGATGC	TGACCGCTGTTTCTAGTTGACG
q0650	ATCCGACTCCACTTCCAAGC	AGCCGAACTCGAAGATGGTG
q0660	TTGAGGAAGCGGAATGGGAC	TATCTCCCACCGTCTCGGTT
q0670	AACAGATCAAGGCTCAGGTCC	CATCAAAGAAACAGCGGCATA

Table S4. Primers used in TA cloning.

Name	Forward Primer Sequence	Reverse Primer Sequence
CDS904080	ATGGCGACGTTTAATCTCTC	TCAACCTTGGATCCTCCGTA
CDS904110	ATGGCGACAGCTTCCCCATC	CTAGTCCACATCTTTCGGTTG
CDS904130	ATGGCCTGCAGAGGGTGCTT	TCACATGATTGTGCAGCGGC
CDS904140	ATGGTTTGCACTGCCGACGA	TCAGGGAGATCTGGAACCGT

Table S5. The list of 17 green/white germplasms

Material Code	Fruit Skin Color	Origin
HWB	green	Wuhan, China
CC	green	Wuhan, China
CD	green	Wuhan, China
2F	green	Wuhan, China
2M	green	Wuhan, China
4A	green	Wuhan, China
4AA	green	Wuhan, China
11	green	Wuhan, China
1103	green	Wuhan, China
XUAN	green	Wuhan, China
PD1	green	Yuxi, China
PD2	green	Shuangliu, China
PD3	green	Tongjiang, China
PD4	green	Yibin, China
DB1	white	Dayi, China
DB2	white	Qijiang, China
BP	white	Lanxi, China

Table S6. The mutations of *Csa3G904140* in two parental lines and 17 green/white germplasms

Material Code	Fruit Skin Color	G Base Insertion
Q1	green	No
H4	white	Yes
HWB	green	No
CC	green	No
CD	green	No
2F	green	No
2M	green	No
4A	green	No
4AA	green	No
11	green	No
1103	green	No
XUAN	green	No
PD1	green	No
PD2	green	No

PD3	green	No
PD4	green	No
DB1	white	Yes
DB2	white	Yes
BP	white	Yes

Table S7. The 3 SNP mutations of *Csa3G904080* in two parental lines and 17 green/white germplasms

Material Code	Fruit Skin Color	3 SNP Mutations
Q1	green	T,G,T
H4	white	G,A,C
HWB	green	T,G,T
CC	green	T,G,T
CD	green	G,A,C
2F	green	G,A,C
2M	green	G,A,C
4A	green	G,A,C
4AA	green	G,A,C
11	green	G,A,C
1103	green	G,A,C
XUAN	green	G,A,C
PD1	green	G,A,C
PD2	green	G,A,C
PD3	green	G,A,C
PD4	green	G,A,C
DB1	white	G,A,C
DB2	white	G,A,C
BP	white	G,A,C