APPENDIX S1. Genomic sequences of *Citrus reshni* included in GenBank corresponding to each SNP locus. SNPs genotyped for the considered loci are shown between brackets.

> Locus EMA-M30. GenBank accession: JX630064 [organism=Citrus reshni] PCR product Malic enzyme (EMA) genomic DNA.

GTTTAGCCCGCACTTTCTTTCTCTTTCTG**[T/C]**TTCCTGACATCTAAATTATATGAATAGGCTTTTGTT
GTCAAATGGACTGAAATAATTAGGATGCAACAGAAATTAACTGCATRTTGCACCACCATTTAAGAACAGT
TTGTTACAATGTGAACAAGTCCACTGGAAAAATCCATTAACAAATATTTGAATTAGCCGTGAACGTAAGT
GTTCTCTTGGCAAACGTGTAAAATCRTTAGAGCTTGTTTACTTGGTGATTGATAAACTAGTTGTGTTTTA
TTCACCGGCAGCGGAAGCCTTGGCAAAACAAGTGACAGAAGAGAACTTTGAGAAGGGATTGATCTACCCA
CCATTTTCTAATATTAGAAAAATTTCAGCCAATATAGCTGCTAATGTTGCTGCTAAGGCATATGAACTA

> Locus ACO-P353. GenBank accession: JX630065 [organism=Citrus reshni] PCR product aconitase genomic DNA.

TTGCTTTTCCATGTGGTTGTATATTTACAAAATTAAGTTACATGGTCCTGTTTCAATGTCTGTAGTGGCC
TGCAAAAGTACTTGAACCAACAAGGTTTTCACATTGTTGGCTATGGCTGCACTACTTGTATTGGAAACTC
TGGAGATCTTGATGAATCAGTTGCTACTGCAATTACAGAAAATGGTAACTGTTAATTATCTTTGGTACCT
TTTAGAATCAGTTTAGACTGCATTACAAACTTTAGCATAAGTTTTAATCTGGTTACACATTAACTCTCAA
ACCATTTACATCATAATTTTTGTGGCAGTTTGTGATCCATCATTCTCTGTTTTGAAGCTAATTCCCACTC
AA**[C/T]**ATTTTACTGGTTTTCTCTGCAGACATTGTTGCAGCTGCTGTGCTTTCCGGTAATCGGAACTTT
GAAGGTCGTGTACATCCTTTGACAAGAGCTAACTATCTTGCATCTCCTCCATTAGTTGTTGCTTATGCCC
TTGCTGGCACAGTAAGTATATAACTTCTAGTCAAATATTCTTATAGAATTGTTGCTATCCTTATGATCTG
AAGCTAATTTGCAGACATGGAACATTATTATAATTTACAACTAGGAGTTGAAACTTTCTTTCATAAGCCT
TTATGCTAGTTACATGACATGCTTTTGAATCAACCAATGTCCATAATCCGTTAATTTTTTATTTTAAAA

> Locus ACO-C601. GenBank accession: JX630065 [organism=Citrus reshni] PCR product aconitase genomic DNA.

TTGCTTTTCCATGTGGTTGTATATTTACAAAATTAAGTTACATGGTCCTGTTTCAATGTCTGTAGTGGCC
TGCAAAAGTACTTGAACCAACAAGGTTTTCACATTGTTGGCTATGGCTGCACTACTTGTATTGGAAACTC
TGGAGATCTTGATGAATCAGTTGCTACTGCAATTACAGAAAATGGTAACTGTTAATTATCTTTGGTACCT
TTTAGAATCAGTTTAGACTGCATTACAAACTTTAGCATAAGTTTTAATCTGGTTACACATTAACTCTCAA
ACCATTTACATCATAATTTTTGTGGCAGTTTGTGATCCATCATTCTCTGTTTTGAAGCTAATTCCCACTC
AACATTTTACTGGTTTTCTCTGCAGACATTGTTGCAGCTGCTGTGCTTTCCGGTAATCGGAACTTTGAAG
GTCGTGTACATCCTTTGACAAGAGCTAACTATCTTGCATCTCCTCCATTAGTTGTTGCTTATGCCCTTGC
TGGCACAGTAAGTATATAACTTCTAGTCAAATATTCTTATAGAATTGTTGCTATCCTTATGATCTGAAGC
TAATTTGCAGACATGGAACATTATTATAATTTACAACTAG**[G/A]**AGTTGAAACTTTCTTTCATAAGCCT
TTATGCTAGTTACATGACATGCTTTTGAATCAACCAATGTCCATAATCCGTTAATTTTTTATTTTAAAA

> Locus F3'H-P30. GenBank accession: JX630066 [organism=Citrus reshni] PCR product flavonoid 3',5'-hydroxylase genomic DNA. F3’H-M309 and F3’H-C341.

CGCCGGTGCACCCACTTGGCCTACGACGC**[T/C]**CAAGACATGGTCTTTGCTGATTATGGTCCGAGGTGG
AAACTCTTAAGAAAGATAAGCAATCTGCACATGCTTGGTGGAAAAGCCCTATATGATTGGAGTAACGTGC
GTAACATTGAGCTAGGCCACATGCTTCGAGCCATTTGTGAGTCTAGCCAGCGAAACGAGCCCGTGGTGGT
CCCGGAGATGTTGACGTACGCCATGGCAAACATGATAGGTCAAGTCATACTAAGCCGTCGAGTTTTTGTG
ACCAAAGGGACAGAATCTAATGAGTTTAAGGACATGGTGGTAGAGCTCATGACGTCAGCTGGATTTTTCA
ACATTGGTGATTTTATACCCTCGATTGCTTGGTTGGATTTACAAGGGATCGAGCGTGGGATGAAGAAATT
ACATAACAGATTTGATGTCCTGTTAACAAAGATGATTGAAGAGCACATGGCTTCAACTWATGAACGTAAA
AGGAAGCCAGATTTTCTCGACATTGTCATGGCTAATAGAGAAAATTCTGATGGAGAAAGGCTCACCATCA
CCAACATCAAAGCACTTCTCTTGGTAATTTGTGTCTTCAAAACTTTACCCTTTTTTTTATCTCACTTTTG
TATTTATTATTACGCTCATGYATTTAAGGTTATCAAAGTTGCACTTACGAAATATTTATTTCATACctcg
tgcctcTTGGTCTTTCTTTGTGTTGTTCATTTTTGTACATATGTGAAATGCAGTATAATCTTGATAAATA
TATTATTCT

> Locus F3’H-M309. GenBank accession: JX630066 [organism=Citrus reshni] PCR product flavonoid 3',5'-hydroxylase genomic DNA.

CGCCGGTGCACCCACTTGGCCTACGACGCTCAAGACATGGTCTTTGCTGATTATGGTCCGAGGTGGAAAC
TCTTAAGAAAGATAAGCAATCTGCACATGCTTGGTGGAAAAGCCCTATATGATTGGAGTAACGTGCGTAA
CATTGAGCTAGGCCACATGCTTCGAGCCATTTGTGAGTCTAGCCAGCGAAACGAGCCCGTGGTGGTCCCG
GAGATGTTGACGTACGCCATGGCAAACATGATAGGTCAAGTCATACTAAGCCGTCGAGTTTTTGTGACCA
AAGGGACAGAATCTAATGAGTTTAAGGA**[T/C]**ATGGTGGTAGAGCTCATGACGTCAGCTGGATTTTTCA
ACATTGGTGATTTTATACCCTCGATTGCTTGGTTGGATTTACAAGGGATCGAGCGTGGGATGAAGAAATT
ACATAACAGATTTGATGTCCTGTTAACAAAGATGATTGAAGAGCACATGGCTTCAACTWATGAACGTAAA
AGGAAGCCAGATTTTCTCGACATTGTCATGGCTAATAGAGAAAATTCTGATGGAGAAAGGCTCACCATCA
CCAACATCAAAGCACTTCTCTTGGTAATTTGTGTCTTCAAAACTTTACCCTTTTTTTTATCTCACTTTTG
TATTTATTATTACGCTCATGYATTTAAGGTTATCAAAGTTGCACTTACGAAATATTTATTTCATACctcg
tgcctcTTGGTCTTTCTTTGTGTTGTTCATTTTTGTACATATGTGAAATGCAGTATAATCTTGATAAATA
TATTATTCT

> Locus F3′H-C341. GenBank accession: JX630066 [organism=Citrus reshni] PCR product flavonoid 3',5'-hydroxylase genomic DNA.

CGCCGGTGCACCCACTTGGCCTACGACGCTCAAGACATGGTCTTTGCTGATTATGGTCCGAGGTGGAAAC
TCTTAAGAAAGATAAGCAATCTGCACATGCTTGGTGGAAAAGCCCTATATGATTGGAGTAACGTGCGTAA
CATTGAGCTAGGCCACATGCTTCGAGCCATTTGTGAGTCTAGCCAGCGAAACGAGCCCGTGGTGGTCCCG
GAGATGTTGACGTACGCCATGGCAAACATGATAGGTCAAGTCATACTAAGCCGTCGAGTTTTTGTGACCA
AAGGGACAGAATCTAATGAGTTTAAGGACATGGTGGTAGAGCTCATGACGTCAGCTGGAT**[T/A]**TTTCA
ACATTGGTGATTTTATACCCTCGATTGCTTGGTTGGATTTACAAGGGATCGAGCGTGGGATGAAGAAATT
ACATAACAGATTTGATGTCCTGTTAACAAAGATGATTGAAGAGCACATGGCTTCAACTWATGAACGTAAA
AGGAAGCCAGATTTTCTCGACATTGTCATGGCTAATAGAGAAAATTCTGATGGAGAAAGGCTCACCATCA
CCAACATCAAAGCACTTCTCTTGGTAATTTGTGTCTTCAAAACTTTACCCTTTTTTTTATCTCACTTTTG
TATTTATTATTACGCTCATGYATTTAAGGTTATCAAAGTTGCACTTACGAAATATTTATTTCATACctcg
tgcctcTTGGTCTTTCTTTGTGTTGTTCATTTTTGTACATATGTGAAATGCAGTATAATCTTGATAAATA
TATTATTCT

> Locus PEPC-M316. GenBank accession: JX630067 [organism=Citrus reshni] PCR product phosphoenolpyruvate carboxylase genomic DNA.

AATTttAACTCTCCTTGTCAAGTTTGAACCATAAACTGCCAATTATTGATCTATTTGTGATGTTCCACAA
ATGACTTTTGTAGGAACACTAAACCTCTGAAGTCCATTCTACCTTTWAYRCCTTAATTAAAGAATTTTGA
AAATTCWTTTTGTCTAAATGATTTTGAACAATCGGCTAATGGTAGATATTGTACCAACTTTTTATATGTA
ATATGAAATTTTGGTTATTTATGTAGYCTTATTTATTGGAAAGTGCATTTAAGAACTGAGAAGGCATAGA
ATATTCCA**[T/C]**TAGGTTTGAAGAAATTCATTGCTCTTTAAGTCAGCTTTAAGTGAATATCCTTGTTAT
AAACTTTAGTGAGAGTGAATGCATTGGAGTCTCTCTTCCAGCAATTTGCTATTTTATATGAAGTTCTCTT
TCCCAYAACAGACTAGCTRAGCTTCAATTTTGATTTTCTTTTCTGAATGARTTTTGAAAATATTCGATAG
GACAATACTGAAATTTTTGCATTGTGGCTCTCACTTCTTATTTGATTTAATATTTAGAGAMAATTYMTTT
TTATTAATTTGATTTMTTTYTTCCTATAGTTCCTGGAGCCTCTAGARCTCTGTTACAGATCACTCTGTGC
TTGTGGTGATCGGCCAATAGCCGATGGAAGCCTTCTTGATT

> Locus PEPC-C328. GenBank accession: JX630067 [organism=Citrus reshni] PCR product phosphoenolpyruvate carboxylase genomic DNA.

AATTttAACTCTCCTTGTCAAGTTTGAACCATAAACTGCCAATTATTGATCTATTTGTGATGTTCCACAA
ATGACTTTTGTAGGAACACTAAACCTCTGAAGTCCATTCTACCTTTWAYRCCTTAATTAAAGAATTTTGA
AAATTCWTTTTGTCTAAATGATTTTGAACAATCGGCTAATGGTAGATATTGTACCAACTTTTTATATGTA
ATATGAAATTTTGGTTATTTATGTAGYCTTATTTATTGGAAAGTGCATTTAAGAACTGAGAAGGCATAGA
ATATTCCAYTAGGTTTGAAG**[G/A]**AATTCATTGCTCTTTAAGTCAGCTTTAAGTGAATATCCTTGTTAT
AAACTTTAGTGAGAGTGAATGCATTGGAGTCTCTCTTCCAGCAATTTGCTATTTTATATGAAGTTCTCTT
TCCCAYAACAGACTAGCTRAGCTTCAATTTTGATTTTCTTTTCTGAATGARTTTTGAAAATATTCGATAG
GACAATACTGAAATTTTTGCATTGTGGCTCTCACTTCTTATTTGATTTAATATTTAGAGAMAATTYMTTT
TTATTAATTTGATTTMTTTYTTCCTATAGTTCCTGGAGCCTCTAGARCTCTGTTACAGATCACTCTGTGC
TTGTGGTGATCGGCCAATAGCCGATGGAAGCCTTCTTGATT

> Locus SOS1-M50. GenBank accession: JX630068 [organism=Citrus reshni] PCR product Salt Overly Sensitive 1 genomic DNA.

TATGTTTACCCACTGGACTTTTTCAGGTTTTGCATGTTGTCAAAACCAG**[G/A]**CAAGTAACTTACTCAG
TACTAAACCATTTGATTGATTACATCCAAAATCTTGAGAAGGTTGGCTTGTTAGAAGAAAAGGAGATGCT
TCATCTTCATGATGCTGTCCAGGTATCTTTTTTTTTGCATTGATCTTCATTCTATGCACTATACTTTATTT
AGTTCTTTGTACAATTTAGTATTATTTTCTTGCAGTCTGACTTGAAAAGGCTTCTAAGGAATCCTCCTTT
GGTGAAGTTTCCCAAAATAAGTGATTTGATTTGTGCCCATCCCTTGCTAAGGGAGCTTCCTCCCAGTGTC
CGTGAACCACTTGAACTTTCCACAAAAGAAATCATGAAACTCAGTGGCATGACACTGTACAGGGAGGGGT
CCAAGCCAAGTGGTATCTGGCTTATATCTAACGGTGTTGTTAAGGTAAATAATGTGTTTACATGGAAAAA
TTGTATCCT

> Locus CCC1-M85. GenBank accession: JX630069 [organism=Citrus reshni] PCR product cation-chloride cotransporter genomic DNA.

TATGTCAGAAGGCTTCCGTGGAATTGTCCAGACCATGGGTCTTGGTAATCTCAAGCCCAACATTGTGGTT
ATGAGGTATCCAGA**[G/A]**ATATGGCGCCGTGAAAACCTTACTGAAATCCCAGCCACCTTTGTTGGAATA
ATTAATGACTGTATTGTTGCTAACAAGGCYGTTGTTATTGTCAAGGGCCTTGATGAATGGCCCAATGAGT
ACCAAAGGCAATATGGTACAATCGATTTGTATTGGATTGTRAGAGACGGAGGTCTCATGCTCTTACTCTC
TCAGCTCCTGCTTACAAAGGAGAGCTTTGAAAGCTGTAAGATTCAAGTCTTCTGCATTGCTGAGGAGGAT
TCAGATGCAGCGGTGCTGAAGGCTGATGTAAAGAAGTTCCTATATGATCTTCGGATGCAGGCTGAAGTTA
TTGTTATATCTATGAAATCATGGGATGAGCAAACAGAGAATGGACCTCAACAAGATGAATCATTGGATGC
TTTTATTGCTGCTCAGCATCGGATTAAAAATTACCTGGCTGAAATGAAGGCTGAAGCTCAGAAATCAGGG
ACTCCGTTGATGGCTGATGGGAAGCCGGTGGTCGTGAATGAGCAACAGGTGGAGAAGTTTCTTTACACAA
CATTGAAGCTGAATTCGACAATACTGAGACACTCGAGAATGGCTGCAGTTGTGCTTGTTAGTCTACCGCC
GCCTCCGATCAACCACCCAGCTTACTGCTACATGGAATACATGGATTTGTTAGTAGAGAATGTGCC

> Locus CCC1-P727. GenBank accession: JX630069 [organism=Citrus reshni] PCR product cation-chloride cotransporter genomic DNA.

TATGTCAGAAGGCTTCCGTGGAATTGTCCAGACCATGGGTCTTGGTAATCTCAAGCCCAACATTGTGGTT
ATGAGGTATCCAGAGATATGGCGCCGTGAAAACCTTACTGAAATCCCAGCCACCTTTGTTGGAATAATTA
ATGACTGTATTGTTGCTAACAAGGCYGTTGTTATTGTCAAGGGCCTTGATGAATGGCCCAATGAGTACCA
AAGGCAATATGGTACAATCGATTTGTATTGGATTGTRAGAGACGGAGGTCTCATGCTCTTACTCTCTCAG
CTCCTGCTTACAAAGGAGAGCTTTGAAAGCTGTAAGATTCAAGTCTTCTGCATTGCTGAGGAGGATTCAG
ATGCAGCGGTGCTGAAGGCTGATGTAAAGAAGTTCCTATATGATCTTCGGATGCAGGCTGAAGTTATTGT
TATATCTATGAAATCATGGGATGAGCAAACAGAGAATGGACCTCAACAAGATGAATCATTGGATGCTTTT
ATTGCTGCTCAGCATCGGATTAAAAATTACCTGGCTGAAATGAAGGCTGAAGCTCAGAAATCAGGGACTC
CGTTGATGGCTGATGGGAAGCCGGTGGTCGTGAATGAGCAACAGGTGGAGAAGTTTCTTTACACAACATT
GAAGCTGAATTCGACAATACTGAGACACTCGAGAATGGCTGCAGTTGTGCTTGTTAGTCTACCGCCGCCT
CCGATCAACCACCCAGCTTACTGCTA**[T/C]**ATGGAATACATGGATTTGTTAGTAGAGAATGTGCC

> Locus TRPA-M593. GenBank accession: JX630070 [organism=Citrus reshni] PCR product vacuolar citrate/H+ symporter genomic DNA.

CACTTCACATTGAAACCATTTTCACACCAAACAATTTCTACATCTTCCTGGGACCTCTCCTGTGCGCTGT
TATATGTGTATGTGTGAAGCTCGATGGGCAGGCGACAAGCAGGAACATGTTGGGTATTCTTGCTTGGGTC
TTCGCTTGGTGGCTCACGGAGGCCGTACCCATGCCCATTACCTCTATGGCGCCTCTGTTTCTGTTCCCTC
TGTTTGGTATTTCTTCTGCTGATGCTGTTGCTCATTCTTACATGGATGATGTTATTGCCCTCGTTCTTGG
TAGCTTTATTCTTGCTCTCGCCGTTGAGCACTACAACATTCACAGAAGATTGGCCTTAAATGTAAGTTCC
CATAATGCATCATCATCATCATGTCATTAATCGTTACGATTTCTTTTTCAGAAAAATTATCAGTGACAAA
AGATGAATTAATTATGTATGGACAATCCTATACCATATAATATATATTAATAACTACAGATAACTATTCT
ATTCTGTGGAGAGCCAATGAATCCGCCCTTGCTGCTTCTTGGGATATGTGGCACGACAGCATTCGTGAGC
ATGTGGATGCATAACGTGGCAGCAGCAGTGAT**[C/G]**ATGATGCCAGTGGCCACTGGGATCTTACAGAAC
TTGCCAGAGGTTCATCTTCAATCAACCCTTGTTAGGAAGTATTGCAAAGCTGTGGTGCTCGGGGTCATCT
ACTCTGCAGCCGTAGGAGGGATGAGCACACTTACTGGAACAGGTGTTAATCTAATATTGGTCGGGATGTG
GAAGACCTATTTTCCAGAAGCAAACCCGT

> Locus INVA-M437. GenBank accession: JX630071 [organism=Citrus reshni] PCR product acid invertase genomic DNA.

ATTCATGGTTATTTATTTATAATTGAGCTCCCCTTTTGCTTAATATATTAAAGCAGTAACAACTTTGGGT
AATATGCTACAGGGCATTCCAAGGACAGTGGCGCTTGATACAAAAACTGGTAGTAATCTCCTYCAATGGC
CAGTGGAGGAAGTAGACAGTTTGCGATTGACCAGCAAAGAATTTAAAAAGATTGAGCTCAAGCCAGGGTC

AGTGATGCCGCTTGATGTTGGCTCAGCTACTCAGGTATGGAGATAGAGATACATTTATGCTTAATTAGTT
TGTCGATATCTCAATTTGAAAAGCACAAAGTAGGCAAATATAGCTTACATGGAAATGTTTGGGCAATGTG
AACAGCTGGACATAGTGGCCGAGTTTGAGCTAGACAAGGCGGCTTTAGAGAAAACAGCGGAGTCCAATGT
GGAGTTTAGCTGCAGTTCCAGC**[T/C]**AAGGATCTGCTGAACGCGGAGCATTAGGCCCCTTTGGCCTTCT
GGTTCTTGCAGATGACAGCCTAWCCGAGCAAACTCCAGTCTATTTCTACATTGCGAAAGGAAAGGATGGA
AGTCTCAAGACTTACTTCTGCACTGATCAATCAAGGTACCGTATTAATTACATGACTYGACTCTTGCATC
AAATTAAATCAARCCACGTGCAATGGTGTAATCCATTACTTAGCGCATTGTTAATTTCTTGTAGATCTTC
TGAGGCAAATGATGTCAATAAATCAAAATATGGTAGCTTTGTTCCAGTACTGGAAGGCGAGAAATTCTCA
ATGAGAGTATTGGTGAGCATATATCATGTTATTGTCCAAACGAACACATGTACATGTTGGCACTGTCAAT
AGAATCCTCACAATCAATTTGGAACATTGTGTATGTATATTTGCAGGTGGATCATTCGATAGTCGAA

> Locus INVA-P855. GenBank accession: JX630071 [organism=Citrus reshni] PCR product acid invertase genomic DNA.

ATTCATGGTTATTTATTTATAATTGAGCTCCCCTTTTGCTTAATATATTAAAGCAGTAACAACTTTGGGT
AATATGCTACAGGGCATTCCAAGGACAGTGGCGCTTGATACAAAAACTGGTAGTAATCTCCTYCAATGGC
CAGTGGAGGAAGTAGACAGTTTGCGATTGACCAGCAAAGAATTTAAAAAGATTGAGCTCAAGCCAGGGTC
AGTGATGCCGCTTGATGTTGGCTCAGCTACTCAGGTATGGAGATAGAGATACATTTATGCTTAATTAGTT
TGTCGATATCTCAATTTGAAAAGCACAAAGTAGGCAAATATAGCTTACATGGAAATGTTTGGGCAATGTG
AACAGCTGGACATAGTGGCCGAGTTTGAGCTAGACAAGGCGGCTTTAGAGAAAACAGCGGAGTCCAATGT
GGAGTTTAGCTGCAGTTCCAGCGAAGGATCTGCTGAACGCGGAGCATTAGGCCCCTTTGGCCTTCTGGTT
CTTGCAGATGACAGCCTAWCCGAGCAAACTCCAGTCTATTTCTACATTGCGAAAGGAAAGGATGGAAGTC
TCAAGACTTACTTCTGCACTGATCAATCAAGGTACCGTATTAATTACATGACTYGACTCTTGCATCAAAT
TAAATCAARCCACGTGCAATGGTGTAATCCATTACTTAGCGCATTGTTAATTTCTTGTAGATCTTCTGAG
GCAAATGATGTCAATAAATCAAAATATGGTAGCTTTGTTCCAGTACTGGAAGGCGAGAAATTCTCAATGA
GAGTATTGGTGAGCATATATCATGTTATTGTCCAAACGAACACATGTACATGTTGGCACTGTCAATAGAA
TCCTCACAA**[T/C]**CAATTTGGAACATTGTGTATGTATATTTGCAGGTGGATCATTCGATAGTCGAA

> Locus MDH-MP69. GenBank accession: JX630072 [organism=Citrus reshni] PCR product malate dehydrogenase genomic DNA.

GCCTTTGGCCCCAAGGCAGGCCAACTTCCACAGTCAAAACCCTCTGGTGTGAGGTTCAACTCCAAGAA**[A
/C]**TCACTTGTGAGTTTCAGTGGCCTCAAGGCAGTGACATCAGTTATCTGTGAATCAGATACCTCTTTCT
TGAACAAGGAGAGTTGTTCAGCTCTTCGAAGCACTTTTGCAAGAAAAGCCCAAAGTTCAGAGCAGAGGCC
TCAGAATGCCCTACAGCCTCAGGCTTCTTTTAAAGTAGCAGTTCTTGGAGCTGCTGGTGGAATAGGTCAA
CCCTTAGCACTTCTAATCAAGATGTCCCCACTAGTATCAGCCCTTCACCTCTATGATGTAATGAATGTCA
AGGGAGTTGCTGCTGACCTCAGTCACTGCAACACTCCCTCTCAAGTTCTGGATTTCACAGGACCTGAAGA
ATTAGCCAGTGCTTTGAAAGGGGTGAATGTCGTCGTCATACCTGCTGGAGTTCCAAGAAAGCCTGGGATG
ACCCGTGATGACCTCTTCAACATCAACGCCAATATAGTAAAGACCTTGGTTGAGGCTGTTGCTGATAACT
GCCCTGATGCCTTCATCCATATTATCAGCAATCCAGTTAATTCAACAGTGCCAATTGCTGCAGAAGTTCT
GAAGCAGAAGGGTGTTTATGATCCGAAGAAGCTTTTTGGTGTTACCACACTGGATGTCGTGAGAGCAAAC
ACCTTTGTTGCTCAAA

> Locus MDH-M519. GenBank accession: JX630072 [organism=Citrus reshni] PCR product malate dehydrogenase genomic DNA.

GCCTTTGGCCCCAAGGCAGGCCAACTTCCACAGTCAAAACCCTCTGGTGTGAGGTTCAACTCCAAGAAAT
CACTTGTGAGTTTCAGTGGCCTCAAGGCAGTGACATCAGTTATCTGTGAATCAGATACCTCTTTCTTGAA
CAAGGAGAGTTGTTCAGCTCTTCGAAGCACTTTTGCAAGAAAAGCCCAAAGTTCAGAGCAGAGGCCTCAG
AATGCCCTACAGCCTCAGGCTTCTTTTAAAGTAGCAGTTCTTGGAGCTGCTGGTGGAATAGGTCAACCCT
TAGCACTTCTAATCAAGATGTCCCCACTAGTATCAGCCCTTCACCTCTATGATGTAATGAATGTCAAGGG
AGTTGCTGCTGACCTCAGTCACTGCAACACTCCCTCTCAAGTTCTGGATTTCACAGGACCTGAAGAATTA
GCCAGTGCTTTGAAAGGGGTGAATGTCGTCGTCATACCTGCTGGAGTTCCAAGAAAGCCTGGGATGACCC
GTGATGACCTCTTCAACATCAACGCCAA**[T/C]**ATAGTAAAGACCTTGGTTGAGGCTGTTGCTGATAACT
GCCCTGATGCCTTCATCCATATTATCAGCAATCCAGTTAATTCAACAGTGCCAATTGCTGCAGAAGTTCT
GAAGCAGAAGGGTGTTTATGATCCGAAGAAGCTTTTTGGTGTTACCACACTGGATGTCGTGAGAGCAAAC
ACCTTTGTTGCTCAAA

> Locus ATMR-C372. GenBank accession: JX630073 [organism=Citrus reshni] PCR product MRP-like ABC transporter genomic DNA.

CAGGTAGCTGGCCTTAGATTATTACTTATTACAGTTTCTTGAAAACTGATATAAATATATTTGTTTGAGC
AGCCACGGATCATGTTCAGTACCAACTGTTAAATTACAACTGATCTAGGCCTCCTCAATTGATATTGCTT
GGGATAAATTACTGATTATTTACCATAACATGTTAAAAACTTTGGCAAACAGGTCAGATATCGCTCCAAC
ACTCCTCTGGTTCTCAAAGGTATTACACTCAGCATTCACGGGGGAGAGAAGATTGGTGTAGTTGGGCGTA
CAGGAAGTGGGAAGTCAACTTTAATTCAAGTTTTCTTTAGGCTGGTGGAGCCTTCAGGAGGGAGAATCAT
TATTGATGGAATCGACATTTC**[G/A]**TTGTTGGGGCTTCATGACCTAAGGTCTCGCTTTGGGATCATTCC
TCAAGAACCTGTCCTTTTTGAAGGAACTGTGAGAAGCAACATTGATCCAATTGGTCAGTATTCAGATGAA
GAAATCTGGAAGGTATGCCATTCCTTTTTTCTGATATGTGTCTCCTACATTTATGATCAAAGTTTGTGGG
TCTGTTTGCTGCATTAGCTAACTTATTATTATTTTTGTAGAGCCTCGAGCGATGTCAACTTAAAGATGTG
GTAGCTGCAAAGCCTGATAAACTCGATTCTTTAGGTAACTTCACTTCCTCCCTTTTCCTTGAATTTTCAG
TTTGATTTAATGGAAGTCATATGTATCTTTTTAGAAGCTAAAACATGCCAAAATGTTGAACTTTGTAGTG
GCTGATAG

> Locus ATMR-M728. GenBank accession: JX630073 [organism=Citrus reshni] PCR product MRP-like ABC transporter genomic DNA.

CAGGTAGCTGGCCTTAGATTATTACTTATTACAGTTTCTTGAAAACTGATATAAATATATTTGTTTGAGC
AGCCACGGATCATGTTCAGTACCAACTGTTAAATTACAACTGATCTAGGCCTCCTCAATTGATATTGCTT
GGGATAAATTACTGATTATTTACCATAACATGTTAAAAACTTTGGCAAACAGGTCAGATATCGCTCCAAC
ACTCCTCTGGTTCTCAAAGGTATTACACTCAGCATTCACGGGGGAGAGAAGATTGGTGTAGTTGGGCGTA
CAGGAAGTGGGAAGTCAACTTTAATTCAAGTTTTCTTTAGGCTGGTGGAGCCTTCAGGAGGGAGAATCAT
TATTGATGGAATCGACATTTCATTGTTGGGGCTTCATGACCTAAGGTCTCGCTTTGGGATCATTCCTCAA
GAACCTGTCCTTTTTGAAGGAACTGTGAGAAGCAACATTGATCCAATTGGTCAGTATTCAGATGAAGAAA
TCTGGAAGGTATGCCATTCCTTTTTTCTGATATGTGTCTCCTACATTTATGATCAAAGTTTGTGGGTCTG
TTTGCTGCATTAGCTAACTTATTATTATTTTTGTAGAGCCTCGAGCGATGTCAACTTAAAGATGTGGTAG
CTGCAAAGCCTGATAAACTCGATTCTTTAGGTAACTTCACTTCCTCCCTTTTCCTTGAATTTTCAGTTTG
ATTTAATGGAAGTCATATGTATCTTTT**[T/C]**AGAAGCTAAAACATGCCAAAATGTTGAACTTTGTAGTG
GCTGATAG

> Locus CHS-P57. GenBank accession: JX630074 [organism=Citrus reshni] PCR product chalcone synthase genomic DNA.

GGCCTCCGTGTTGCTAAAGACATAGCTGAAAACAACCCTGGAAGCCGCGTTTTGCT**[T/A]**ACCACTTCT
GAAACTACCATACTTGGGTTTCGCCCACCAAACAAGTCCCGCCCTTATGACCTTGTTGGGGCAGCTCTCT
TTGGTGATGGAGCTGCTGCTGTGATCGTTGGAGCTGACCCATTCCTGGATAAAGAGTCTTCTCCTTTCAT
GGAACTTAACTATGCAGTCCAACAATTCTTACCAGGGACACAGAATGTCATCGATGGGCGTCTTTCTGAA
GAGGGTATAAACTTCAAGCTTGGCAGGGACCTTCCTCAGAAGATTGAAGAAAATATTGAGGAGTTTTGCA
AGAAGCTCATGGCCAAAGCTGGTTTACAAGATTTCAATGATTTGTTCTGGGCAGTTCATCCTGGAGGACC
GGCAATTCTGAACCGACTGGAAAGCAATCTCAAGTTGAATAATCAGAAGCTTGAATGCAGCAGGAGGGCA
TTGATGGATTATGGGAATGTGAGCAGCAACACTATCTTTTATGTTATGGATTATATGAGGGAGGAGTTGA
AGAGGAAAGGAGATGAGG

> Locus CHS-M183. GenBank accession: JX630074 [organism=Citrus reshni] PCR product chalcone synthase genomic DNA.

GGCCTCCGTGTTGCTAAAGACATAGCTGAAAACAACCCTGGAAGCCGCGTTTTGCTTACCACTTCTGAAA
CTACCATACTTGGGTTTCGCCCACCAAACAAGTCCCGCCCTTATGACCTTGTTGGGGCAGCTCTCTTTGG
TGATGGAGCTGCTGCTGTGATCGTTGGAGCTGACCCATTCCT**[G/C]**GATAAAGAGTCTTCTCCTTTCAT
GGAACTTAACTATGCAGTCCAACAATTCTTACCAGGGACACAGAATGTCATCGATGGGCGTCTTTCTGAA
GAGGGTATAAACTTCAAGCTTGGCAGGGACCTTCCTCAGAAGATTGAAGAAAATATTGAGGAGTTTTGCA
AGAAGCTCATGGCCAAAGCTGGTTTACAAGATTTCAATGATTTGTTCTGGGCAGTTCATCCTGGAGGACC
GGCAATTCTGAACCGACTGGAAAGCAATCTCAAGTTGAATAATCAGAAGCTTGAATGCAGCAGGAGGGCA
TTGATGGATTATGGGAATGTGAGCAGCAACACTATCTTTTATGTTATGGATTATATGAGGGAGGAGTTGA
AGAGGAAAGGAGATGAGG

> Locus CHI-M598. GenBank accession: JX630075 [organism=Citrus reshni] PCR product chalcone isomerase genomic DNA.

TATATTATAATCAATTATTTTCCACATTAATTAACTAATAATAATTTTGAAGAATACTAAAGAGTTTATA
CATTTCTTTTTTCCTCTTGCGTTACGTGTAATGATAATAAATTAACAATACAGGTGCATTAAATATTTAA
ATTCACACTATCCGTATGGGAATCCTTTTCCGTCATAAACGCTGCTTAAAGAGTAGTGAACGTCAGTACT

WCACTCAAAATCTAAAACAGAATCCAACAGAAGAMACCAACGGCGAAAATCCGTTACCTGTGACGACGTC
TCTGAAGAACTCAACGGATTCCGTCAACTCCTCYGCAGTCTTCCCCTTCCATTTGCCGGCGAGTAACGGC
ACGGCGTYMTCCTCCAAGTACACTCCTATCGCCGTGAACTTCACGAACTTCCCTTCAATCTCCAATCCTC
TCTCCCCTGCCACGTCAGCGTCAAGAGCACCGAGACGTTAAAAACAAGTGAAATACAATGATGAAACAAM
AGTCAAATCATACAATCCGCCGGYGGTGCGCAGGRTACTAGCATACTACTAACCTGCGCCGCCGAGGAAA
TGCGACTTTGTTGATCCTGGAGGTTGCA**[C/G]**GGACGGCGTGAAAGTGACGTTCTCGACCTGCAGTTCG
GTGACGGACGGTGAGGG

> Locus PKF-C64. GenBank accession: JX630076 [organism=Citrus reshni] PCR product phosphofructokinase genomic DNA.

TTCAGTTTATAGCGAACTCCAAACGAGTCGAATCGATCACGCACTCCCTCTCCCTTCTGTTCT**[C/A]**AA
AAACCCTTTCAAAATCGTCGATGGCCCCGCTAGCTCCGCCGCCGGCAATCCAGGTCAGTTTCGTACTACC
ACTTCATCAATAAAACAATTTTCGTCCGTAACATTACAGATTCAAGATCTTTTCTTTTTGTCATATATAG
ATGAGATTGCGAAATTGTTTCCAAATCTGTTCGGGCAACCGTCCGCATTGTTGGTGCCGAACGGTGCTGA
CGCGGTGCGATCTGATGAGAAGTTGAAAATCGGCGTCGTCTTGTCTGGAGGTCAGGCGCCAGGTGGACAC
AATGTGATCTCTGGAATCTATGGTGAGTATAAATCTGAAAATGTAATATAAGCGTGATTTGTGTGAAAAT
TGGCCTTTTAAACGTGATTTGCTTATGTTTTGGTGGCAGATTACTTGCAGGATCGCGCGAAAGGGAGTGT
ACTGTATGGATTCAGAGGAGGTCCAGCTGGAATCATGAAGTGCAAATACGTTGAWCTAACTTCCGATTAT
ATTTATCCCTATAGAAACCAGGTATAACTTTGAGTATAATGTCAATGTTTTGAGTAATAAATAGTACATA
TTAATTAATCTTTGTAGAATTTAGACCATTTGCATATTAAATTTTGGCTTGACAAGTAAATGTAAAATGT
GCATGTTAAAGAAATGAAGTAAGCATCTAACCCCTTTG

> Locus PKF-M186. GenBank accession: JX630076 [organism=Citrus reshni] PCR product phosphofructokinase genomic DNA.

TTCAGTTTATAGCGAACTCCAAACGAGTCGAATCGATCACGCACTCCCTCTCCCTTCTGTTCTCAAAAAC
CCTTTCAAAATCGTCGATGGCCCCGCTAGCTCCGCCGCCGGCAATCCAGGTCAGTTTCGTACTACCACTT
CATCAATAAAACAATTTTCGTCCGTAACATTACAGATTCAAGA**[T/C]**CTTTTCTTTTTGTCATATATAG
ATGAGATTGCGAAATTGTTTCCAAATCTGTTCGGGCAACCGTCCGCATTGTTGGTGCCGAACGGTGCTGA
CGCGGTGCGATCTGATGAGAAGTTGAAAATCGGCGTCGTCTTGTCTGGAGGTCAGGCGCCAGGTGGACAC
AATGTGATCTCTGGAATCTATGGTGAGTATAAATCTGAAAATGTAATATAAGCGTGATTTGTGTGAAAAT
TGGCCTTTTAAACGTGATTTGCTTATGTTTTGGTGGCAGATTACTTGCAGGATCGCGCGAAAGGGAGTGT
ACTGTATGGATTCAGAGGAGGTCCAGCTGGAATCATGAAGTGCAAATACGTTGAWCTAACTTCCGATTAT
ATTTATCCCTATAGAAACCAGGTATAACTTTGAGTATAATGTCAATGTTTTGAGTAATAAATAGTACATA
TTAATTAATCTTTGTAGAATTTAGACCATTTGCATATTAAATTTTGGCTTGACAAGTAAATGTAAAATGT
GCATGTTAAAGAAATGAAGTAAGCATCTAACCCCTTTG

> Locus NADK2-M285. GenBank accession: JX630077 [organism=Citrus reshni] PCR product NADH kinase genomic DNA.

GTATTAGTGTTGAAAAAGCCTGGGCCAGCACTCATGGAAGAAGCTAAAGAGGTACCATGCAAAGTCTTTT
ATGTAATGTCAAAATAGTTTTTTGAATTTCACTTTGAAGCGATTCTTACATCTAAACAAATGTTTGTATT
AAGAAGATGCATATTATTGTGTTTCAGTTGCTCTACTTGATAATATGTCAACTAAACCTTCTACATTGCT
GATCTGTATTTCCATATCCACTCTATAAATATGTAGCTGCTATAACTCATTTCTAGATCTGATGAGCAGG
TTGC**[T/C]**TCTTTCTTGTATCACCAAGAGAAGATGAATATTCTTGTTGAGCCAGATGTGCAC

> Locus DFR-M240. GenBank accession: JX630078 [organism=Citrus reshni] PCR product dihydroflavonol 4-reductase genomic DNA.

GGCTATGCTGTTCGTGCTACTGTTCGCGATCCTGGTCTGGTTCATTTGCTGATCTTAATTAATTTTTGTT
AAACATTATCATAAATTTGCAAGTTCAACAGAATTTTAAAATGACTGTGGGCTATACGACAGATAACAAA
AAGAAAGTGAAACATTTGCTGGAGTTGCCGAAGGCAAGCACTCACCTGACTTTATGGAAAGCCGATTTAG
CCGAAGAGGGAAACTTTGATGAA**[G/C]**CGATTCGAGGCTGCACTGGAGTTTTTCATCTGGCCACGCCTA
TGGACTTTGAGTCCAAGGATCCTGAGGTATCGGTATCATCGTTACTCTTTAGTCTTTAGTTTCTTTTGAA
TAATACCAATAAATATTTATCCCGTTCATCGCAGATTTTTTTTTTTTTTTTTAATTTTGAA

> Locus LAPX-M238. GenBank accession: JX630079 [organism=Citrus reshni] PCR product ascorbate peroxidase genomic DNA.

TTTTGGGACGATCAGGCACCCAGATGAGCTTGCTCATGAGGCTAACAATGGTCTTGATATTGCTGTCAGG
CTCTTGGAGCCCATCAAGCAGCAGTTTCCTATCTTGTCCTACGCTGATTTCTATCAGGTAATTATTATTT

ATATCCAACTGTTGACTACAGAAAATGATTTGCTTTATGATCACTTTCTATGGATTACTTTGGATTGGTG
AATTGACCATGGTTTGTGTTTTATTTT**[C/G]**TTGAAGTTGGCTGGAGTTGTTGCCGTTGAAGTTACCGG
AGGGCA

> Locus PSY-M30. GenBank accession: JX630080 [organism=Citrus reshni] PCR product phytoene synthase genomic DNA.

GGGTCGTCCATTTGATATGCTTGATGCTG**[G/C]**ATTATCAGATACAGTAACCAAATTTCCTGTCGACAT
TCAGGTTAGACTATGTTTTCAAGATCAAATTAKATTTTAACAAAATGGTTGTTATAGTACTCTCTCTACT
CTCTTAAGTGTACTTGTATTAAATTAAAATAAGGAACAACTTCTGCTTTCTAATTGGTTTTTAAAACATT
AAGCCTTGATGCATAATGACAGACCTTATTTACATTTAATTGAGTCATRCCATTTTTGCATTTTCAATTT
ATCCAGGAGACCGAAGATGTGATGAGGTGATGCTACATGCTTACTAAGAACAATTCCGTTTCTCTAAATT
GCTCCATTATTTATTAGGACTCTTGAAGTTAACAGATAGCAATAGTGAATTTACTTCTCTGAAAAATTTA
CTTATCTGAAAACAAAGTTCTGCATGCTACCCTTCTCAATATTCAGACAAGAGTTTAATAGGCCTGCGAT
ATCTAAATAAAGGATGCAGTTTATGACTGAACCACCTCCCTGCAACGTTATCTTTTGTACCTTGATCTTT
CTTCAGAAAATGTTCTATTAAAAGTATTTCCAGTGGACCCTTAACCCAAT

> Locus PSY-C461. GenBank accession: JX630080 [organism=Citrus reshni] PCR product phytoene synthase genomic DNA.

GGGTCGTCCATTTGATATGCTTGATGCTGCATTATCAGATACAGTAACCAAATTTCCTGTCGACATTCAG
GTTAGACTATGTTTTCAAGATCAAATTAKATTTTAACAAAATGGTTGTTATAGTACTCTCTCTACTCTCT
TAAGTGTACTTGTATTAAATTAAAATAAGGAACAACTTCTGCTTTCTAATTGGTTTTTAAAACATTAAGC
CTTGATGCATAATGACAGACCTTATTTACATTTAATTGAGTCATRCCATTTTTGCATTTTCAATTTATCC
AGGAGACCGAAGATGTGATGAGGTGATGCTACATGCTTACTAAGAACAATTCCGTTTCTCTAAATTGCTC
CATTATTTATTAGGACTCTTGAAGTTAACAGATAGCAATAGTGAATTTACTTCTCTGAAAAATTTACTTA
TCTGAAAACAAAGTTCTGCATGCTACCCTTCTCAATATTC**[T/A]**GACAAGAGTTTAATAGGCCTGCGAT
ATCTAAATAAAGGATGCAGTTTATGACTGAACCACCTCCCTGCAACGTTATCTTTTGTACCTTGATCTTT
CTTCAGAAAATGTTCTATTAAAAGTATTTCCAGTGGACCCTTAACCCAAT

> Locus AOC-M290. GenBank accession: JX630081 [organism=Citrus reshni] PCR product ascorbate oxydase genomic DNA.

CTGACAAGATTCTTCCATGCCCACGTTGTAATAGTATGGACACTAAGTTCTGCTACTACAACAATTACAA
TGTAAACCAACCACGACACTTCTGCAAGAACTGCCAGAGATACTGGACAGCTGGTGGGACAATGCGTAAT
GTACCTGTAGGTGCTGGTCGTCGAAAGAACAAGAACTCAGCTTCTCACTACCGTCACATAACTGTCTCGG
AAGCCCTCCAAAACGTCCGAACTGATGTTCCGAATGGGGTCCACCATCCTGCGTTGAAAACTAATGGTAC
TGTACTTAC**[C/T]**TTTGGCTCAGATGCACCCCTTTGTGAATCAATGGCATCAGTTCTGAATATTGCTGA
TAAAACAATGAGGAATTGCACGAGAAATGGGTTTCATAAACCTGAGGAGTTGAGAATTCGACTTACTTAC
AGAGGTGGAGAAAATGGGGATAATTATGCACATGGATCTCCGGTGCCAGTTTCAAATTCAAAGGATGAGG
CAGGCAAAACTACTTCACAGGAGGCAGTTGTGCAGAATTGTCAAGGCTTCCCTCCTCATGTGGCTTGCTT
TCCTGGGGCTCCGTGGCCATACCCATGGAATTCGGCTCAATGGAGCCCTCCAGTTACCCCACCTGCGATC
CTTCCTCCAGGCTTCCCTATGCCATTCTACCCTCCAGCAGCTTACTGGG

> Locus AOC-C593. GenBank accession: JX630081 [organism=Citrus reshni] PCR product ascorbate oxydase genomic DNA.

CTGACAAGATTCTTCCATGCCCACGTTGTAATAGTATGGACACTAAGTTCTGCTACTACAACAATTACAA
TGTAAACCAACCACGACACTTCTGCAAGAACTGCCAGAGATACTGGACAGCTGGTGGGACAATGCGTAAT
GTACCTGTAGGTGCTGGTCGTCGAAAGAACAAGAACTCAGCTTCTCACTACCGTCACATAACTGTCTCGG
AAGCCCTCCAAAACGTCCGAACTGATGTTCCGAATGGGGTCCACCATCCTGCGTTGAAAACTAATGGTAC
TGTACTTACTTTTGGCTCAGATGCACCCCTTTGTGAATCAATGGCATCAGTTCTGAATATTGCTGATAAA
ACAATGAGGAATTGCACGAGAAATGGGTTTCATAAACCTGAGGAGTTGAGAATTCGACTTACTTACAGAG
GTGGAGAAAATGGGGATAATTATGCACATGGATCTCCGGTGCCAGTTTCAAATTCAAAGGATGAGGCAGG
CAAAACTACTTCACAGGAGGCAGTTGTGCAGAATTGTCAAGGCTTCCCTCCTCATGTGGCTTGCTTTCCT
GGGGCTCCGTGGCCATACCCATGGAATTCGGC**[T/A]**CAATGGAGCCCTCCAGTTACCCCACCTGCGATC
CTTCCTCCAGGCTTCCCTATGCCATTCTACCCTCCAGCAGCTTACTGGG

> Locus DXS-C545. GenBank accession: JX630082 [organism=Citrus reshni] PCR product 1-deoxyxylulose 5-phosphate synthase genomic DNA.

TTCATATGAAGAGTCTCTCTAAAGAGGTAAAARCGTGYGCGTCTGATTGATGGGAATCCTGTTCTTTCTT
GAGGATATTTCATTTGTTCATAACATAGTTCGTACAATTTTCAGGATCTTGAACAACTGGCAGCAGAGCT
TAGAGCAGATATTGTTAACAGTGTATCGAAGACAGGTGGGCATCTTAGTGCAAACTTAGGAGTGGTGGAG
CTAACACTTGCTTTGCATCGTGTTTTCAACACACCTGACGATAAAATTATATGGGATGTTGGCCATCAGG
TAATTAATTGAAGACACTTGTTAATTCGCTACTGCCCTGTCTCAAACGAATCATGGCTGAACAAATTAAA
GACCCAAACATATATCAGTGTTACTGAATGGCTGACCTTGAATCCTGCAGGCTTATGTACACAAAATTCT
GACTGGAAGAAGATCCAGAATGAACACCATGAGGAAGACTTCGGGGCTTGCAGGATTCCCCAAAAGAGA**[**
G/C]GAAAGCGTTCATGATGCATTTGGTGCAGGACATAGTTCCACAAGCATCTCTGCTGGTCTTGGTATG
TACTTCACTCTCTTAATATTTTCCTTTCATCAATCTAGAGAAATTGTAGGATGCAGAATACATAATTGAG
AATTTCCTAATCTAATCATATTTTTTAATAATAGGTATGGC

> Locus DXS-M618. GenBank accession: JX630082 [organism=Citrus reshni] PCR product 1-deoxyxylulose 5-phosphate synthase genomic DNA.

TTCATATGAAGAGTCTCTCTAAAGAGGTAAAARCGTGYGCGTCTGATTGATGGGAATCCTGTTCTTTCTT
GAGGATATTTCATTTGTTCATAACATAGTTCGTACAATTTTCAGGATCTTGAACAACTGGCAGCAGAGCT
TAGAGCAGATATTGTTAACAGTGTATCGAAGACAGGTGGGCATCTTAGTGCAAACTTAGGAGTGGTGGAG
CTAACACTTGCTTTGCATCGTGTTTTCAACACACCTGACGATAAAATTATATGGGATGTTGGCCATCAGG
TAATTAATTGAAGACACTTGTTAATTCGCTACTGCCCTGTCTCAAACGAATCATGGCTGAACAAATTAAA
GACCCAAACATATATCAGTGTTACTGAATGGCTGACCTTGAATCCTGCAGGCTTATGTACACAAAATTCT
GACTGGAAGAAGATCCAGAATGAACACCATGAGGAAGACTTCGGGGCTTGCAGGATTCCCCAAAAGAGAG
GAAAGCGTTCATGATGCATTTGGTGCAGGACATAGTTCCACAAGCATCTCTGCTGGTCTTGGTATGTACT
TC**[G/A]**CTCTCTTAATATTTTCCTTTCATCAATCTAGAGAAATTGTAGGATGCAGAATACATAATTGAG
AATTTCCTAATCTAATCATATTTTTTAATAATAGGTATGGC

> Locus FLS-P129. GenBank accession: JX630083 [organism=Citrus reshni] PCR product flavonol synthase genomic DNA.

TTCAAATGGCACAATTCCAGCAGAGTTCGTAAGACCCGAAAAAGAACAGCCAGCAAGCACAACGTACCAC
GGCCCCGCTCCTGAAATCCCCACGATCGATCTCGACGACCCCGTTCAAGACAGACTCG**[T/C]**ACGTTCC
ATCGCGGAAGCCAGCCGGGAGTGGGGGATTTTCCAGGTTACAAACCACGGGATACCTAGTGACCTCATCG
GTAAACTGCAAGCCGTCGGCAAAGAATTTTTTGAGCTCCCTCAGGAAGAGAAAGAAGTGTATTCTCGTCC
GGCTGATGCAAAAGACGTGCAAGGATACGGCACAAAGTTACAGAAAGAAGTCGAAGGAAAGAAATCTTGG
GTTGATCATCTCTTCCACAGGGTTTGGCCTCCGTCTTCTATCAACTACCGCTTCTGGCCCAACAACCCTC
CTTCTTACCGGTGAATGTTATGCATCTCTTATCTTTTTCAATTCTTTT

> Locus FLS-M400. GenBank accession: JX630083 [organism=Citrus reshni] PCR product flavonol synthase genomic DNA.

TTCAAATGGCACAATTCCAGCAGAGTTCGTAAGACCCGAAAAAGAACAGCCAGCAAGCACAACGTACCAC
GGCCCCGCTCCTGAAATCCCCACGATCGATCTCGACGACCCCGTTCAAGACAGACTCGTACGTTCCATCG
CGGAAGCCAGCCGGGAGTGGGGGATTTTCCAGGTTACAAACCACGGGATACCTAGTGACCTCATCGGTAA
ACTGCAAGCCGTCGGCAAAGAATTTTTTGAGCTCCCTCAGGAAGAGAAAGAAGTGTATTCTCGTCCGGCT
GATGCAAAAGACGTGCAAGGATACGGCACAAAGTTACAGAAAGAAGTCGAAGGAAAGAAATCTTGGGTTG
ATCATCTCTTCCACAGGGTTTGGCCTCCGTCTTCTATCAACTACCGCTT**[C/T]**TGGCCCAACAACCCTC
CTTCTTACCGGTGAATGTTATGCATCTCTTATCTTTTTCAATTCTTTT

> Locus LCY2-M379. GenBank accession: JX566716 [organism=Citrus reshni] PCR product lycopene β-cyclase 2 genomic DNA.

GTTTCGCAAATAATTGATTCAACATCATCACATTCATTTTCGCTATTTCCATTAGGCCGCCAAAATGCAT
GTTCAAGAAAGGCGGATCATCATCATCATCACAGGATCCGGACAAGCAAGTTTGGTAACTTCCTAGAGTT
GACACCGGAGTCGGAACCTGAATTCTTAGTCTTTGATCTCCCCTGGTTTCATCCGTCCGATCGTATTCGA
TATGACGTGATCATCATTGGCACTGGACCTGCCGGCCTCCGTCTAGCTGAGCAAGTCTCATCGCGTCATG
GTATCAAGGTATGTTGTGTTGATCCTTCACCTCTTTCTACGTGGCCTAACAACTATGGAGTTTGGGTTGA
TGAGTTTGAAGACATAGGACTT**[A/G]**TAGACTGTTTGGACAAAACTTGGCCGATGACTTGTGTTTTTAT
TAATGATCACAAGACCAAGTATCTAGACAGGCCCTACGGTCGTGTTAGTAGAAATATTTTGAAGACAAAG
TTATTAGAGAATTGTGTTTTAAATGGCGTTAGGTTTCATAAGGCTAAAGTTTGGCATGTGAATCATCAGG
AGTTCGAGTCTTCGATTGTTTGTGATGATGGRAATGAGATTAAGGCTAGCTTGATTGTTGATGCTAGTGG
CTTTGCTAGTAGTTTTGTTGASTATGATAAGCCAAGAAACCATGGATACCAAATTGCTCATGGGATTTTA
GCTGAGGTTGAGAGTCACCCTTTTGATTTAGATAAA

> Locus LCYB-M480. GenBank accession: JX630084 [organism=Citrus reshni] PCR product lycopene β-cyclase genomic DNA.

AAGATTCAGAACCAGGAGCTTAGGTTTGGTCTCAAGAAGTCTCGTCAAAAGAGGAATATGAGTTGTTTCA
TTAAGGCTAGTAGTAGTGCTCTTTTGGAGCTAGTTCCTGAAACCAAGAAGGAAAATCTTGAATTTGAGCT
TCCCATGTATGACCCATCAAAGGGCCTTGTTGTAGACCTAGCAGTTGTCGGTGGTGGCCCAGCTGGGCTT
GCTGTTGCTCAGCAAGTTTCAGAGGCGGGGCTTTCGGTTTGCTCGATTGATCCATCTCCCAAATTGATTT
GGCCAAATAATTATGGTGTTTGGGTGGATGAATTTGAGGCCATGGATTTGCTTGATTGCCTTGATACTAC
TTGGTCTGGTGCTGTTGTGCACATTGATGATAATACAAAGAAGGATCTTGATAGACCTTATGGCAGAGTT
AATAGGAAGTTGCTGAAGTCGAAAATGCTGCAAAAATGCATAACCAATGGTGTTAAGTT**[G/C]**CACCAA
GCTAAAGTTATTAAGGTTATTCATGAAGAGTCCAAATCTTTGTTGATTTGCAATGATGGTGTGACAATTC
AGGCTGCCGTGGTTCTTGATGCTACGGGATTCTCTAGGTGTCTTGTGCAGTATGATAAACCCTATAATCC
AGGTTACCAAGTGGCATATGGAATACTAGCTGAGGTAGAAGAGCACCCGTTTGATTTAGACAAGATGGTT
TTCATGGATTGGAGAGATTCGCATCTGAACAACAATTCGGAGCTCAAAGAGGCAAATAGCAAAATTCCTA
CTTTTCTTTATGCCATGCCCTTTTCGTCAAACAGGATATTTCTTGAAGAGACTTCGCTAGTGGCGCGGCC
TGGAGTGCCAATGAAAGATATCCAGGAAAGAATGGTGGCTAGATTAAAGCACTTAGGCATAAAAGTTAGA
AGCATTGAAGAGGATGAGCATTGTGTCATTCCGAT

> Locus LCYB-P736. GenBank accession: JX630084 [organism=Citrus reshni] PCR product lycopene β-cyclase genomic DNA.

AAGATTCAGAACCAGGAGCTTAGGTTTGGTCTCAAGAAGTCTCGTCAAAAGAGGAATATGAGTTGTTTCA
TTAAGGCTAGTAGTAGTGCTCTTTTGGAGCTAGTTCCTGAAACCAAGAAGGAAAATCTTGAATTTGAGCT
TCCCATGTATGACCCATCAAAGGGCCTTGTTGTAGACCTAGCAGTTGTCGGTGGTGGCCCAGCTGGGCTT
GCTGTTGCTCAGCAAGTTTCAGAGGCGGGGCTTTCGGTTTGCTCGATTGATCCATCTCCCAAATTGATTT
GGCCAAATAATTATGGTGTTTGGGTGGATGAATTTGAGGCCATGGATTTGCTTGATTGCCTTGATACTAC
TTGGTCTGGTGCTGTTGTGCACATTGATGATAATACAAAGAAGGATCTTGATAGACCTTATGGCAGAGTT
AATAGGAAGTTGCTGAAGTCGAAAATGCTGCAAAAATGCATAACCAATGGTGTTAAGTTCCACCAAGCTA
AAGTTATTAAGGTTATTCATGAAGAGTCCAAATCTTTGTTGATTTGCAATGATGGTGTGACAATTCAGGC
TGCCGTGGTTCTTGATGCTACGGGATTCTCTAGGTGTCTTGTGCAGTATGATAAACCCTATAATCCAGGT
TACCAAGTGGCATATGGAATACTAGCTGAGGTAGAAGAGCACCCGTTTGATTTAGACAAGATGGTTTTCA
TGGATTGGAGAGATTCGCATCTGAACAACAATTCG**[G/C]**AGCTCAAAGAGGCAAATAGCAAAATTCCTA
CTTTTCTTTATGCCATGCCCTTTTCGTCAAACAGGATATTTCTTGAAGAGACTTCGCTAGTGGCGCGGCC
TGGAGTGCCAATGAAAGATATCCAGGAAAGAATGGTGGCTAGATTAAAGCACTTAGGCATAAAAGTTAGA
AGCATTGAAGAGGATGAGCATTGTGTCATTCCGAT

> Locus HYB-C433. GenBank accession: JX630087 [organism=Citrus reshni] PCR product β-Carotene hydroxylase genomic DNA.

GTGGCAAATGGAGGTACTTCAAACAAATCACACATGTCCTAATGTTATTGGTTGGTTRTATGAA
CAGAAAATTTCGCCCCTCTTTTGATGATGCTTACATGTTATGTATCCGTACAGGGTGGAGAGGTGCCTTT
A**[G/A]**CTGAAATGTTTGGCACATTTGCTCTCTCTGTTGGTGCTGCTGTAAGTTCAATCACCTTCTTCCT
TACAATGATTTGAAAACAAGACTAGAATTTTGGTTCTRATAGGAGCCGCGGTGGGGATGTTACAAACTTG
ATCGATCTTTAACATAAAAACTGTAAAAATGAGGGGCTTGTGTGAATTTTCAATGTGAAGGCCTTTTCTG
GCAAATTATATGATGATGATTCGCATTGGGTACC

> Locus TSC-C80. GenBank accession: JX630085 [organism=Citrus reshni] PCR product trehalose-6-phosphate synthase genomic DNA.

GTGGCACCACCAGCACGCCGACCCTCATTTTGGCTCATGCCAGGCTAAAGAGCTTCTTGACCACTTGGAA
AATGTTCTT**[T/G]**CTAATGAGCCTGTTGTTGTCAAAAGAGGCCAACACATTGTTGAGGTCAAGCCACAG
GTATGTCAACATCAATCTTTTTAATACAGTTGTTACATAAACTTATATGATATGTTACGAAGAAACGGTG
TAATGCCCTTTGTTTTATATCTCATTGATATTGCTCGGATGATCATTCTAATGTGGTGAATTGGGTAGGG
AGTAAGCAAAGGCATTGTTGTAAAAAACTTGATTTCAACTATGCGAAGTAGGGGGAAGT

> Locus NCED3-M535. GenBank accession: JX630086 [organism=Citrus reshni] PCR product 9-cis-epoxy hydroxy carotenoid dyoxygenase 3 genomic DNA.

CCGTTTTGTTCAAGAACGTAGCTTAGGCCRCCCCGTATTCCCCAAAGCCATTGGCGAGCTTCACGGCCAC
ACGGGCATCGCAAGATTGCTTCTCTTCTACAGCAGAGCGCTCTTCGGTCTCGTTGACCCCAGCCACGGCA
CTGGCGTTGCCAACGCCGGCCTTGTTTACTTCAACAACCGTTTGTTGGCCATGTCTGAAGATGACTTGCC

TTATCACGTGCGCGTCACTCCATCCGGCGACCTCAAAACGGTCGGCCGTTTCKACTTCAGCGGCCAGCTC
AAGTCCACGATGATAGCTCATCCGAAAGTTGATCCCGTGACGGGTGATTTGTTTGCTCTGAGTTATGACG
TTGTCAAGAAGCCTTACTTGAAGTACTTTCGGTTTTCGCCCCAAGGGATCAAGTCTCCGGACGTTGAGAT
TCCCCTTGAGGAGCCTACAATGATGCATGATTTCGCAATCACTGAGAATTTTGTTGTGGTGCCTGACCAG
CAAGTGGTGTTCAAGTTGAATGAGATGATCCGAGGTGGCTCCCC**[T/G]**GTGATTTATGACAAGAACAAG
GTGT