ABI3 Found in Scaffold 173 (query sequence starts at base 74854 on scaffold)

1)

For Primer GAACGCCAAACACAATACTGAA

Rev Primer TGTAATTAACCGATGTGGGACA

repeats (ga) x30 PCR product =270 bp & start at base 186553

2)

For Primer ATGCTCCTAGTTTCTGTCGAGG

Rev Primer ATTGACCAAAGAATGTCCCAAC

repeats (ga) x21 PCR product =297 bp & start at base 218821

3)

For Primer ACCAAGTTTTTACGTGGTTTGG

Rev Primer TAGGAGCTCGATGGTGATTTTT

Repeats (ga) x18 PCR product =134 bp & start at base 236179

Acylcoa Found in Scaffold 1173 (query sequence starts at base 36878 on scaffold)

1)

For Primer ATTCAACGGCTCAGATTCACTT

Rev Primer TACAAATCCAAACACACGGAAC

repeats (ta) x29 PCR product =251 bp & start at base 87799

2)

For Primer TGTGAAATGGAGGTACCCTTCT

Rev Primer CAGATGAATTGCTGAAACCTGA

repeats (ct) x15 PCR product =187 bp & start at base 76484

3)

For Primer CATTGGGCTGACATTAAGGTTT

Rev Primer TCTGCATGTTTGTTGGGTTTAG

Repeats (tg) x10 PCR product =210 bp & start at base 6200

Carboxyl terminal processing protease Found in Scaffold 2378 (query sequence starts at base 10045 on scaffold)

1)

For Primer AAGGCTCAAGACAACAATCCAT

Rev Primer GCTCCATATACGAAAAGCTTGG

repeats (ag) x10 PCR product =102 bp & start at base 18932

2)

For Primer TTTTTATGTATCCCCGGAACC

Rev Primer CGAAATGCTGAAACTTGTCTTG

Repeats (ac) x7 PCR product =186 bp & start at base 60

3)

For Primer TGCTGGAGAAAAAGAAACACTG

Rev Primer ATGATTGGAGCTCTGATACCGT

repeats (ct) x6 PCR product =213 bp & start at base 2896

Chalcone synthase family protein Found in Scaffold 491 (query sequence starts at base 132065 on scaffold)

1)

For Primer GCCAACTATAAGCCTGAACCAC

Rev Primer ATAGCCTGGGTTTCACAGATTG

repeats (ag) x16 PCR product =281 bp & start at base 92449

2)

For Primer GAATAGCAGGGTCTTTCCAATG

Rev Primer ATTTCCGGACACTATTACCCCT

repeats (ag) x14 PCR product =239 bp & start at base 152527

3)

For Primer GCCAACTATAAGCCTGAACCAC

Rev Primer ATAGCCTGGGTTTCACAGATTG

Repeats (tg) x12 PCR product =281 bp & start at base 92425

Chs-like protein Scaffold 814 (query sequence starts at base 40156 on scaffold)

1)

For Primer AGGTCTTTGTTTCCAACCTTGA

Rev Primer CGGTTTGGTTTGGTTCATAAGT

repeats (ga) x17 PCR product =232 bp & start at base 13893

2)

For Primer GAATTTGCAGGAATTATGGCTC

Rev Primer GTTCCCCATTCTTCTCCTCTCT

repeats (ct) x11 PCR product =170 bp & start at base 28175

3)

For Primer AGACAACCTTCCCAAACTCAAA

Rev Primer TGCAGTATGCTTTCTGACCACT

Repeats (ca) x10 PCR product =279 bp & start at base 10144

Cytochrome p450 Found in Scaffold 586 (query sequence starts at base 92166 on scaffold)

1)

For Primer ATAGCGGCTCTCCAAAAACAT

Rev Primer ATCTAGGGTTTCGAGTCCACCT

repeats (ag) x21 PCR product =234 bp & start at base 136135

2)

For Primer AGCGTATTCCATTCTGGACTGT

Rev Primer ATATTTGGCACCTCAATTGCTC

repeats (ta) x15 PCR product =293 bp & start at base 56735

3)

For Primer GTACGAGAAAAACTTGGATGCC

Rev Primer TATCCAGAGATTCCAGACCCAT

Repeats (ga) x9 PCR product =267 bp & start at base 50281

Cytochrome p450 Found in Scaffold 586 (query sequence starts at base 92166 on scaffold)

1)

For Primer ATAGCGGCTCTCCAAAAACAT

Rev Primer ATCTAGGGTTTCGAGTCCACCT

repeats (ag) x21 PCR product =234 bp & start at base 136135

2)

For Primer AGCGTATTCCATTCTGGACTGT

Rev Primer ATATTTGGCACCTCAATTGCTC

repeats (ta) x15 PCR product =293 bp & start at base 56735

3)

For Primer GTACGAGAAAAACTTGGATGCC

Rev Primer TATCCAGAGATTCCAGACCCAT

Repeats (ga) x9 PCR product =267 bp & start at base 50281

DAM4

Found in Scaffold 01333 (query sequence starts at base 18544 on scaffold)

1)

For Primer AGCCGTAGGAGAACAAGATCAA

Rev Primer GCACTCCTAGGTCCGAAGTATC

repeats (ac) x10 PCR product =242 bp & start at base 73805

2)

For Primer ATCATGCACCGCCCTATTATAC

Rev Primer GAGGCACTTTTATATGGGTTGG

repeats (tc) x7 PCR product =244 bp & start at base 27010

3)

For Primer TATGGTCAACAACCGCTACATC

Rev Primer TTTATTAGGGCTTGGTCTCGAA

Repeats (gca) x9 PCR product =210 bp & start at base 30618

DAM5 Found in Scaffold 1187 (query sequence starts at base 47701 on scaffold)

1)

For Primer GCTACTGTTCTCGTCTCCTCGT

Rev Primer TCAATAGAACCTTCCACCGACT

repeats (ct) x13 PCR product =116 bp & start at base 78977

2)

For Primer AATGTTTTGTGTCTCCCAATCC

Rev Primer GGCACAACGCTAGTTGATAAAG

repeats (ga) x12 PCR product =275 bp & start at base 95120

3)

For Primer CAAATGGTGATAGCAAACATGG

Rev Primer CTCAAAGAAAATTCCCAAGACG

Repeats (tta) x7 PCR product =274 bp & start at base 57880

DAM6 Found in Scaffold 01333 (query sequence starts at base 18535 on scaffold)

1)

For Primer TGGGTAGAATCAGAGAAAACGG

Rev Primer AAAATGACGGGTGGTCCTATTT

repeats (ag) x18 PCR product =284 bp & start at base 58236

2)

For Primer AGCCGTAGGAGAACAAGATCAA

Rev Primer GCACTCCTAGGTCCGAAGTATC

repeats (ac) x10 PCR product = 242 bp & start at base 73824

3)

For Primer TATGGTCAACAACCGCTACATC

Rev Primer TTTATTAGGGCTTGGTCTCGAA

Repeats (gca) x9 PCR product =210 bp & start at base 30592

FLC found in scaffold 10765

No primers found

FUS3LEC2 Found in Scaffold 00219 (query sequence starts at base 74050 on scaffold)

1)

For Primer ACTGATGGAGGAGCACGATTAT

Rev Primer TTTTTGAGGTGCAATGTGACTC

repeats (tc) x10 PCR product =262 bp & start at base 163071

2)

For Primer TGGGTTCCATTACTACCTAGCG

Rev Primer CAAATTGAAACGGAAGGAGTGT

repeats (ct) x PCR product = 257 bp & start at base 27318

3)

For Primer GGGGTACTGGGTTCCATTACTA

Rev Primer TAGGTTTGAAAATCGAGAGCGT

Repeats (tc) x PCR product =285 bp & start at base 22139

GRAS family protein Found in Scaffold 567 (query sequence starts at base 24082 on scaffold)

1)

For Primer AAACAAGCATCAACGCAGAGTA

Rev Primer AAGCTTGTGGGGTCATAGGATA

repeats (ag) x13 PCR product =219 bp & start at base 29639

2)

For Primer ACGTACCCTCTCAACGAGTCAT

Rev Primer ATCAAAAATCCCTTACTGGGGT

repeats (tc) x12 PCR product =216 bp & start at base 23439

3)

For Primer GATTCCCTATCCAGCTTACGTG

Rev Primer TTCCACTAGTTTAATGTCCGGC

Repeats (ag) x6 PCR product =118 bp & start at base 20805

LEC1 found in scaffold 00036 (query sequence starts at base 301135 on scaffold)

1)

For Primer GCACACAAAGGAGTTTCACTCA

Rev Primer GTTTCGTTTCCTTTCGTTTCCT

repeats (ag) x30 PCR product =187 bp & start at base 95860

2)

For Primer ACTCGTTGCGAATAAATCCACT

Rev Primer CACCCCAATTCTCCAAAGGTA

repeats (ag) x14 PCR product =172 bp & start at base 473440

3)

For Primer TACTCAGTGGACATTGCTTGCT

Rev Primer CCTCTTCCTTCTCCTCCTCTTC

Repeats (ag) x22 PCR product =245 bp & start at base 164682

MAPKKK3 Found in Scaffold 394 (query sequence starts at base 135452 on scaffold)

1)

For Primer TTGAGTGCATTTCTCTCTGGAA

Rev Primer TAATGATGACATGGATTCACCG

repeats (ga) x13 PCR product =125 bp & start at base 170993

2)

For Primer CATTAACCCTACCCCATCTTCA

Rev Primer GAAATAAAACCCGTTACGGACA

repeats (ct) x12 PCR product =235 bp & start at base 28356

3)

For Primer ACTGCTACGATCAAAACTGGGT

Rev Primer ATAATGAAGTCGGGGTTTGATG

Repeats (tc) x11 PCR product =277 bp & start at base 52896

NAC domain protein NAC1 Found in Scaffold 72 (query sequence starts at base 258035 on scaffold)

1)

For Primer TGGGTACAAAACCTTAGCTTGG

Rev Primer TCTCGTACCCAAAGAAATGACC

repeats (ct) x25 PCR product =164 bp & start at base 347939

2)

For Primer AACAATCGGCCCTTGTTAGATA

Rev Primer TATTCTAAATCCAGGGCCTTCA

repeats (tg) x19 PCR product =129 bp & start at base 194575

3)

For Primer TTCATAATTTGGGGAGGGAGTA

Rev Primer AGGCCGACTTTCTCTTCTTCTT

Repeats (gt) x12 PCR product =256 bp & start at base 142010

NAC domain protein IPR003441 Found in Scaffold 01415 (query sequence starts at base 34984 on scaffold)

1)

For Primer AGATTATTAGCGTGAAGCTCCG

Rev Primer GATGCCATCATACGAAAGGACT

repeats (ga) x19 PCR product =214 bp & start at base 18700

2)

For Primer AGGGGTCCATAGCACATAAAAA

Rev Primer ATGTCGGAGGAAGTCGAAACTA

repeats (ag) x14 PCR product =244 bp & start at base 54313

3)

For Primer TACCAAATACCAATTTGAGGCG

Rev Primer ATCTAAATACTCCCTCCGTCCC

Repeats (ta) x7 PCR product =127 bp & start at base 44338

PP2C Found in Scaffold 644 (query sequence starts at base 26276 on scaffold)

1)

For Primer CTCCCAAAAACTCTGCACCTAC

Rev Primer CCCCATTAATTTACATAGGCGA

repeats (ct) x16 PCR product =259 bp & start at base 1879

2)

For Primer GCATGCCTGATCACAATTAGAA

Rev Primer ATTTCCAGATGGTCTCTTACCG

repeats (ga) x9 PCR product =175 bp & start at base 70686

3)

For Primer ATTTCTGGTCTTTCCTTCACCA

Rev Primer AGTTCTCGAATGGAAGCAATGT

Repeats (tc) x13 PCR product =133 bp & start at base 122220

PYL7 Found in Scaffold 00766 (query sequence starts at base 30762 on scaffold)

1)

For Primer CCCCAATTCAGGTCTATCAAAA

Rev Primer CTAAGAGCATCTCCAACTGCCT

repeats (ga) x7 PCR product =297 bp & start at base 3418

2)

For Primer CTTTCTCCTTTCACCCAAACAC

Rev Primer TTGCATATCCGTCTCAAGAAGA

repeats (ct) x8 PCR product =191 bp & start at base 87340

3)

For Primer TCTGTCATCCTGCACAATATCC

Rev Primer GAAAGTTGAGTTTTCGAATGGG

Repeats (ct) x6 PCR product =257 bp & start at base 66733

S like Ribonuclease Found in Scaffold 484 (query sequence starts at base 175226 on scaffold)

1)

For Primer CAGGACCACAAATGAATTAGCA

Rev Primer AACTTACCGTAAACGACCTCCA

repeats (ag) x16 PCR product =139 bp & start at base 78786

2)

For Primer GGACTAACAATGAAGGGTGGAG

Rev Primer GGCTCAGAAAATAGCAGCACTT

repeats (ga) x11 PCR product =265 bp & start at base 85952

3)

For Primer TTACACCTCAGGATGTGCAGAC

Rev Primer CCCCCAAATTAAAGGGTAAAAC

Repeats (ga) x10 PCR product =277 bp & start at base 87363

SNRK2 found in Scaffold 00548 (query sequence starts at base 150361 on scaffold)

1)

For Primer TATGTGTGCTAACCTGCCATTC

Rev Primer CCAAAACCTCGAAATCAAGAAC

repeats (ct) x12 PCR product = 247 bp & start at base 77319

2)

For Primer GCTCCTAGAAAGAAACCTACCTCA

Rev Primer TTAAGGCACCAAGAACTCCACT

repeats (ag) x21 PCR product = 291 bp & start at base 87552

3)

For Primer TGGAATTAAGTTCGCTAACCGT

Rev Primer TTGCAGAAACCACTTAACCCTT

Repeats (ag) x PCR product = 286 bp & start at base 175818

Strictosidine synthase family protein Found in Scaffold 182 (query sequence starts at base 68497 on scaffold)

1)

For Primer CTGAAATGTACCAAAACGACCA

Rev Primer AAACAACCTGGGTAAACAATGC

repeats (ga) x16 PCR product =167 bp & start at base 297782

2)

For Primer CTAGGTCGCTCACATTCTTCAA

Rev Primer GAAATAGGAGGATGGTGCGTAG

repeats (ca) x12 PCR product =262 bp & start at base 144969

3)

For Primer AAGTACCCCAAGATTGGAAGTG

Rev Primer GCTCGCCCTTGATATATTTTTG

Repeats (ga) x12 PCR product =262 bp & start at base 235417

UDP galactose-4 epimerase Found in Scaffold 658 (query sequence starts at base 70755 on scaffold)

1)

For Primer CAGGGACTACAAATACGCTTCC

Rev Primer TCACGAAACATATACGGCAAAG

repeats (ct) x9 PCR product =272 bp & start at base 44180

2)

For Primer CAACACATGAACATTACCCACC

Rev Primer GACTTGTTGGGGGAGAGTGTAG

repeats (ag) x8 PCR product =285 bp & start at base 51379

3)

For Primer TGAGTTGCCAAGAATTGTGTTC

Rev Primer GCATTAGATGGGTTTTCTGGAG

Repeats (ga) x9 PCR product =263 bp & start at base 143206

Xyloglucan endotransglucosylase/ hydrolase 5 Found in Scaffold 1511 (query sequence starts at base 36878 on scaffold)

1)

For Primer GATGGACTTGTGTGTGTGTGTG

Rev Primer TGAGCCTTTGAAAACCTCTCTC

repeats (ag) x25 PCR product =126 bp & start at base 27538

2)

For Primer TTCTGGTCTTGGTACGAATGTG

Rev Primer CGTAATCAACAGTTCACTCCCA

repeats (ga) x12 PCR product =120 bp & start at base 33443

3)

For Primer GAGGGTGAACAAATTAAATGGC

Rev Primer TGCTTCTCTCCCAAATTTGACT

Repeats (tc) x10 PCR product =283 bp & start at base 16624

Zinc finger protein Found in Scaffold 2129 (query sequence starts at base 12347 on scaffold)

1)

For Primer ACCCTAACAAAATCAAAACCCG

Rev Primer TCCAAACACGATTTCTAACCCT

repeats (ga) x21 PCR product =152 bp & start at base 40907

2)

For Primer ACTACCTACCCCTAACCCCGTA

Rev Primer AATTAGGTGTGTTGCTGGGAAT

repeats (ct) x16 PCR product =242 bp & start at base 39654

3)

For Primer GGGAAGAGAGAGAGGAAAGGAG

Rev Primer AACCGTAGACTTTTGGTTTGGA

Repeats (ga) x8 PCR product =280 bp & start at base14865