Supplementary Material

Forward genetic studies reveal *LsAPRR2* as a key gene in regulating the green color of pericarp in bottle gourd (*Lagenaria siceraria*)

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**Table S1** Sequences of primers used in the study

|  |  |  |  |
| --- | --- | --- | --- |
| Primer ID | Annotation | Forward primer | Reverse Primer |
| *HG\_GLEAN\_10010973* | CDS amplication | ATGGTTTGCACTGCCGAC | TCAGGGAGGTTTGGTGCC |
| *LsAPRR2* | qRT-PCR analysis | TTTGCACTGCCGACGATTT | TTCCCGGTGTGTTCAAAATTG |
| *LSH3* | qRT-PCR analysis | CAAACTGCCCGTAAGTCCAC | GGCTTCTTCACTCCTCCTGT |
| Sp2.1 | InDel maker | ACCACTTGGTAAGATTGATTATGAA | AAAGTGGTTTTGTGAAGAATTTATTA |
| Sp2.2 | InDel maker | AAGCGTAAAGGGTAGGACAGAA | CTGAAAAGTTAAGACGATGAAGGA |
| Sp2.3 | InDel maker | CGAGCATGTAGTCCCTCGTT | TAGCGAGGTTGAAGGTTGGT |
| Sp2.4 | InDel maker | TTGAAGTGTTAATCCTACTCCTACC | TAAATTAATAATTTGGCTGAAAATT |
| Sp2.5 | InDel maker | TGATGTTTTTCTCTTCAAAATCCA | TTGTAGACATAACAAAACCCAAAA |
| *LsAPRR2* Green | promoter clone and GUS assay | CGCCAAGCTTGCATGCCTGCAGGAGGAGTACCTTACAAAATTGGAGTG | ATAAGGGACTGACCACCCGGGGCTTGGCATGTTTCTTATATCACTG |
| G0913 | InDel molecular assisted breeding markers | AGAATTTCAATATTTCCATCGACATCG | GAGGAATTAGGAATGAGCAACGAACA |
| RT1 | 5'RACE RT Primer | TTCGACGAATTTAGACTGCACATC |  |
| RT2 | 5'RACE RT Primer | TGAAGGACTACTTTTGACACCAGAT |  |
| 5’ adaptor Primer/R1 | 5'RACE First round amplification of cDNA | GCTGTCAACGATACGCTACGTAACGGCATGACAGTGGGGGGGGGGGGG | GATCTCCGCTTTCCCAGCTACCATGC |
| 5’RACE Outer Primer/R2 | 5'RACE Second round amplification of cDNA | GCTGTCAACGATACGCTACGTAAC | GAATTGTCACTTCCTTCTGGTTGCTCCC |
| 3’ adaptor Primer | 3'RACE RT Primer |  | GCTGTCAACGATACGCTACGTAACGGCATGACAGTGTTTTTTTTTTTTTTTTTTTT |
| 3RF1/3' RACE Outer Primer | 3'RACE First round amplification of cDNA | ATGCTGGAGGGGTGCGAGCTGATG | GCTGTCAACGATACGCTACGTAAC |
| 3RF2/3'RACE Inner Primer | 3'RACE Second round amplification of cDNA | ACATGTGGGGTCCGCCCGGTTAT | GCTACGTAACGGCATGACAGTG |

**Table S2** Primers for KASP markers

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Primer X | Primer Y | Primer C |
| Sp1 | GAAGGTGACCAAGTTCATGCTGCCGCATCTAAACTTAGGAACTAC | GAAGGTCGGAGTCAACGGATTTGCCGCATCTAAACTTAGGAACTAT | GCTACATCTACTCTTGGCCTTTTCAC |
| Sp2 | GAAGGTGACCAAGTTCATGCTTAGACACATCTATTAGTGTTTGTTTAAAAC | GAAGGTCGGAGTCAACGGATTGATAGACACATCTATTAGTGTTTGTTTAAAAA | GTGTGTTAATTTGTTTAATTGGGCCCAC |
| Sp3 | GAAGGTGACCAAGTTCATGCTATGCATGAGGTATCGAGAACGG | GAAGGTCGGAGTCAACGGATTGAATGCATGAGGTATCGAGAACGA | CATTGTTTTTACGTTTCACGATCTCATTTTC |
| Sp4 | GAAGGTGACCAAGTTCATGCTGCCAAACCTAAAGACTAACAAAACTATTAT | GAAGGTCGGAGTCAACGGATTGCCAAACCTAAAGACTAACAAAACTATTAA | TTGGGATTTAGAATTTGTTATGGAATCTCTC |
| Sp5 | GAAGGTGACCAAGTTCATGCTGACTCAATATGCCTACCATTTTGGG | GAAGGTCGGAGTCAACGGATTGACTCAATATGCCTACCATTTTGGA | GATGTTCCCAGCTCCTCACTCTG |

**Table S3** Phenotype-genotype identification of Pericarp Color in 49 bottle gourd accessions

Resources

|  |  |  |  |
| --- | --- | --- | --- |
| Number | Variety Name | Fruit color | Genotype |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49 | H03-3a-2  H09-1b-1  H11T-1c-1  H11T-1c-2  H14c-1  H14c-2  H15-4-1  H16  H17  H20  H21  H23  H29  H07  H01  H03-3a-1  H06-1-2  H02  H03-3b  H03-3c  H04-1  H04-2  H05  H06  H06-1-1  H06-2a  H06-2b-1  H06-2b-2  H08-2  H08-3a-1  H08-3a-2  H08-3b  H09-1b-2  H10  H11T-1b-1  H12  H13  H14A  H14-B  H15-4-2  H15-4-3  H18  H19  H24  H25-1  H25-2  H26  H27  H28 | Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White | Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  Green  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  White  Green |

**Note:** In Table S3, the red highlighted font indicates that the phenotype of the numbered inbred line is inconsistent with the genotype.

**Table S4** Sequence alignment of H06 and H16

|  |  |
| --- | --- |
| Type | Sequence |
| CDS Sequence of  H06 | ATGGTTTGCACTGCCGACGATTTACAAGAATGGAAAGACTTCCCTAAGGGTCTGAGGGTTCTTCTGCTTGATCGCGACAGTCGCTCAGCTACTGAGATTAGATCAAAACTTGAGGAAATGGAGTATGTTGTTTATTCCTGCAGTGATGAGAAGGAAGCTTTGTCAGCAATTTTGAACACACCGGGAAACTTCCATGTTGCAATTCTGGAGGTGTGTGCAAGAAATTACGATGAGAGTTTTAAGTTGCTTGGAACTTCCAAGGACTTGCCAATAATAATGACTTCAGATGTTCATTGCCTAAGTACCATGATGAAGTGCATTGCACTTGGTGCAGTTGAGTTCTTGCTGAAACCACTCTCTGAGGACAAACTCAGGAATATCTGGCAGCATGTCATTCACAAGGCATTTTCCAATACTTCAAAGCCTGATGAAGATTCCGTAGCATCCTTGATGCAACTCCAATTAGAGAATGAAGACAAGAATGGAGTTCCGGAAGATATGGAAATTCTTTCTTGGATTCAGGATATTGTGTGGGAGCAACCAGAAGGAAGTGACAATTCTCAACTGAACCTGGGAGCATCTTTGCATGGTAGCTGGGAAAGCGGAGATCAAATTAACTGTTCAATGGAAACAGATTGCAGGGACAAAGATGTGCAGTCTAAATTCGTCGAAACTACTTCACATGATTTGGTTTGTGAAGGCCCCCTTCAGAAGGGCCAACCTCGATTATCTGATAAGAATAAATCTGGTGTCAAAAGTAGTCCTTCAGCTGCAGAGCACTCAATCCAAGGATCTGATGTTAACCATTCTGTTGGATCCAAAGCGAAGAAAACAAAGGTGGACTGGACCCCAGTGCTACATAGAAAATTCGTTCAAGCAGTTGAACAGTTAGGCATAGATCATGCAATTCCTTCAAAAATACTTGAGCTGATGAAAGTTGAAGGTTTGACAAGGCACAATGTTGCAAGTCATCTCCAGAAGTACAGGATGCAAAAGAAACATGTAATGCAGAGAGAAGAAAATCCAAGATGTACAATACAAACCAATCACTTGAAACCTATAATGGCATATCCTTCTTATCATCCAAACCGTGGAATATCAGTGTCTGCTGTTTATCCAACATGGAGACAGACCAATGGCCATCCAGCTAATTTCCACATGTGGGGTCCGCCCGGTTATCGCCATTGGCCACAACCAGGAATTCAGCCCTGGAATTCCTATGCTGCAGGGGTGCGAGCTGATGCATGGGGTTGCCCTGTGATACTGCCTTCTCATACTCCATATTTTTCATATCCTCGGCATGTATCAGCATCACACAATATGCATACAGTAAATAAAAGCTATGGCATGCCTCAGGGTTTATTTGATCTTCAACCAGATGAGGAGGTGGTTGACAAGATTGTAAAAGAAGCAATGAGGGAGCCATGGTCACCGCTTCCATTAGGGCTTAAACCTCCTTCTACAGAGAGTGTTCTCACAGAGCTTTCTAAGCAAGGAATCTCCACCGTCCCTCCTCAAATCAATGGCACCAAACCTCCCTGA |
| CDS Sequence of  H16 | ATGGTTTGCACTGCCGACGATTTACAAGAATGGAAAGACTTCCCTAAGGGTCTGAGGGTTCTTCTGCTTGATCGCGACAGTCGCTCAGCTACTGAGATTAGATCAAAACTTGAGGAAATGGAGTATGTTGTTTATTCCTGCAGTGATGAGAAGGAAGCTTTGTCAGCAATTTTGAACACACCGGGAAACTTCCATGTTGCAATTCTGGAGGTGTGTGCAAGAAATTACGATGAGAGTTTTAAGTTGCTTGGAACTTCCAAGGACTTGCCAATAATAATGACTTCAGATGTTCATTGCCTAAGTACCATGATGAAGTGCATTGCACTTGGTGCAGTTGAGTTCTTGCTGAAACCACTCTCTGAGGACAAACTCAGGAATATCTGGCAGCATGTCATTCACAAGGCATTTTCCAATACTTCAAAGCCTGATGAAGATTCCGTAGCATCCTTGATGCAACTCCAATTAGAGAATGAAGACAAGAATGGAGTTCCGGAAGATATGGAAATTCTTTCTTGGATTCAGGATATTGTGTGGGAGCAACCAGAAGGAAGTGACAATTCTCAACTGAACCTGGGAGCATCTTTGCATGGTAGCTGGGAAAGCGGAGATCAAATTAACTGTTCAATGGAAACAGATTGCAGGGACAAAGATGTGCAGTCTAAATTCGTCGAAACTACTTCACATGATTTGGTTTGTGAAGGCCCCCTTCAGAAGGGCCAACCTCGATTATCTGATAAGAATAAATCTGGTGTCAAAAGTAGTCCTTCAGCTGCAGAGCACTCAATCCAAGGATCTGATGTTAACCATTCTGTTGGATCCAAAGCGAAGAAAACAAAGGTGGACTGGACCCCAGTGCTACATAGAAAATTCGTTCAAGCAGTTGAACAGTTAGGCATAGATCATGCAATTCCTTCAAAAATACTTGAGCTGATGAAAGTTGAAGGTTTGACAAGGCACAATGTTGCAAGTCATCTCCAGAAGTACAGGATACAAAAGAAACATGTAATGCAGAGAGAAGAAAATCCAAGATGTACAATACAAACCAATCACTTGAAACCTATAATGGCATATCCTTCTTATCATCCAAACCGTGGAATATCAGTGTCTGCTGTTTATCCAACATGGAGACAGACCAATGGCCATCCAGCTAATTTCCACATGTGGGGTCCGCCCGGTTATCGCCATTGGCCACAACCAGGAATTCAGCCCTGGAATTCCTATGCTGGAGGGGTGCGAGCTGATGCATGGGGTTGCCCTGTGATACTGCCTTCTCATACTCCATATTTTTCATATCCTCGGCATGTATCAGCATCACACAATATGCATACAGTAAATAAAAGCTATGGCATGCCTCAGGGTTTATTTGATCTTCAACCAGATGAGGAGGTGGTTGACAAGATTGTAAAAGAAGCAATGAGGGAGCCATGGTCACCGCTTCCATTAGGGCTTAAACCTCCTTCTACAGAGAGTGTTCTCACAGAGCTTTCTAAGCAAGGAATCTCCACCGTCCCTCCTCAAATCAATGGCACCAAACCTCCCTGA |
| Protein sequence  of H06 | MVCTADDLQEWKDFPKGLRVLLLDRDSRSATEIRSKLEEMEYVVYSCSDEKEALSAILNTPGNFHVAILEVCARNYDESFKLLGTSKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVIHKAFSNTSKPDEDSVASLMQLQLENEDKNGVPEDMEILSWIQDIVWEQPEGSDNSQLNLGASLHGSWESGDQINCSMETDCRDKDVQSKFVETTSHDLVCEGPLQKGQPRLSDKNKSGVKSSPSAAEHSIQGSDVNHSVGSKAKKTKVDWTPVLHRKFVQAVEQLGIDHAIPSKILELMKVEGLTRHNVASHLQKYRMQKKHVMQREENPRCTIQTNHLKPIMAYPSYHPNRGISVSAVYPTWRQTNGHPANFHMWGPPGYRHWPQPGIQPWNSYAAGVRADAWGCPVILPSHTPYFSYPRHVSASHNMHTVNKSYGMPQGLFDLQPDEEVVDKIVKEAMREPWSPLPLGLKPPSTESVLTELSKQGISTVPPQINGTKPP\* |
| Protein sequence  of H16 | MVCTADDLQEWKDFPKGLRVLLLDRDSRSATEIRSKLEEMEYVVYSCSDEKEALSAILNTPGNFHVAILEVCARNYDESFKLLGTSKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVIHKAFSNTSKPDEDSVASLMQLQLENEDKNGVPEDMEILSWIQDIVWEQPEGSDNSQLNLGASLHGSWESGDQINCSMETDCRDKDVQSKFVETTSHDLVCEGPLQKGQPRLSDKNKSGVKSSPSAAEHSIQGSDVNHSVGSKAKKTKVDWTPVLHRKFVQAVEQLGIDHAIPSKILELMKVEGLTRHNVASHLQKYRIQKKHVMQREENPRCTIQTNHLKPIMAYPSYHPNRGISVSAVYPTWRQTNGHPANFHMWGPPGYRHWPQPGIQPWNSYAGGVRADAWGCPVILPSHTPYFSYPRHVSASHNMHTVNKSYGMPQGLFDLQPDEEVVDKIVKEAMREPWSPLPLGLKPPSTESVLTELSKQGISTVPPQINGTKPP\* |

**Note:** In Table S4, the red highlighted font indicates the variation of the CDS sequence and amino acid sequence alignment of the two parents.

**Table S5** Amino acid sequence information contained in phylogenetic analysis

|  |  |
| --- | --- |
| Name | Sequence |
| BhiUN793M2  [Benincasa hispida] | MVCTADDLQEWKDFPKGLRVLLLDRDSRSATEIRSKLEEMEYVVFSCCDEKEALSAILNTPGNFHVAILEVCARNYDESFKLLGTSKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVIHKAFSNTSKPDEDSVASLMQLQLENENKNGVSEDMEVLSWIQDIVWEEPEGSDKSQLIMEASRQGSWESGDQMNCSIETDCRDKDVQSKFVETTSHDLVCEDPIQEGQPQLSDKNKSGVKSDPLAAENSIQGSDVNHSAGPKARKTKVDWNPQLHRKFVQAVEQLGIDHAIPSKVLELMKVEGLTRHNVASHLQKYRMQKKHVMQREENPRWSHYPRCTIQTNHLKPIMAYPSSYQPNCGISVSAVCPTWRQTNGHPPIVHTWGPPGYSHWPQRGIQPWNSYAGVRADAWGCPVMLPSHTPYFSFPQHASASHDMHTVNKSYGMPQSLCDLQPDEEVVDKIVKEAMRKPWSPLPLGLKPPSTESVLTELSRQGISTVPPQINGCRPP |
| Pay0008709.2  [Melon] | MVCTADDLQEWKDFPKGLRVLLLDRDSCSATEIRSKLEEMEYVVYSCTDEKEALSAILNTPGNFHVAILEVCARNYDEIFKLLGASKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVIHKAYSNTSKPGEESVASLMQLQLENEDKNGVPEDMEILSWIQDIVWEQPEGSDDKSQLNLGASRQGSWESGDQMNCSMETDCKDKDVQSKFVETTSHDLVCEGPIQEGQPQLSDKKKFGVESDPLAAENSIQGTGVNQSAGSKAKKTKVKLSDTKVDWTPELHRKFVQAVEQLGIDHAIPSKILELMKVEGLTRHNIASHLQKYRMQKKHVMQREENTRWSHYPRSTLQTNHLKPIMAYPSYHPNCGISVSAVYPTWRQTNDRPPNIHVCGPFGYRHWPQPGIQPWNSYARVQADTWGCPVMPPSHAPYFSYPQLVSASQHNMHTVNKSYGMPQGLFDLQPDEEVVDKIVKEAMRQPWSPLPLGLKPPSTESVLTELSKQGISTVPPQIDGSRSP |
| CsaV3\_3G049490 [Cucumis sativus] | MVCTADDLQEWKDFPKGLRVLLLDRDSFSATEIRSKLEEMEYVVYSCTDEKEASSAILNTPGNFHVAILEVCARNYDESFKLLGASKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVIHKAYSNSSKPDEDSVASLMQFQLQNEDKNGVPEDMEILSWIQDIVWEQPEGSDDRSQLNLGASRQASWESGDQMNCSMETDCKDKDVQSKFVETTSHDLICEGPIQEGQPQLSDKKKIGVKSDPLAAENSIQELAKKHGHERGHVDWTPELHRNFVQAVEQLGIDHAIPSKILELMKVEGLTRHNIASHLQKYRMQKKHVMQREENTRWSHYPTRSTLQTNHLKPIMAYPSYHPNCGISVSAVYPTWRQTNDHPPNVHVWGPLGYRHWPQPGIQPWNSYAGVQADTWGCPVMPPSHAPYFSYPQLVSASQHNMHTVNKSYGMPQGLFDLQPDEEVVDKIVKEAMKKPWSPLPLGLKPPSTESVLTELSKKGISTVPPQIDGSRSP |
| CmoCh19G004510 [Cucurbita moschata] | MVCTVDDLQEWKDFPKGLRVLLLDRDSSSASEIRSKLEEMEYVVYSCTDEKEALSAILNTPGNFHVAILEVCARNYDESFKLLGTSMDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEDKLRNIWQHVLHKAFSNTPKPDEHSEASLMQLQLENKDRNEVPEEMEMLSWIQDIVWEPPEGSEKSELNLGESWQGSWESEHQMNCSMETDSREKDVYSKFVETATHDLVCEGPFQEGQPRLSGKNKSDVKSSASAAEHSIQGSDVNHSAGSKAKKSKVDWSPELHKKFVQAVEQLGIDHAIPSKILELMQVKGLTRHNVASHLQKYRMQKKHIMHREETPWRSHPRCTIQTNHLKPIMAYPSYHPNCGISPSAAFPTWRQTNALVRGPPGFCHWPRPGIHPWNSYAAGVQADAWGCPVTLPSHAPYFALPQHVLSASHNMHAVNKSYGMPQSSFDLQPDEEVVDKVVKEVMRKPCSPLPLGLKPATERVLTELSMQGISVIPPQINGSRPP |
| Cp4.1LG15g03420 [Cucurbita pepo] | MIKKHAKRAMVCTVDDLQEWKDFPKGLRVLLLDHDSSSASEIRSKLEEMEYVVYSCTDEKEALSAILNTPGNFHVAILEVCARNYDESFKLLGASMDLPIIMTSDVHCLSTMVKCIALGAVEFLLKPLSEDKLRNIWQHVLHKAFSNTPKPDEHSEASLMQLQLENKDRNEVPEEMEMLSWIQDIVWEPPEGSEKSQLNLGESLQGSWESGHQMNCSMETDSREKDVYSKFVETATHDLVCEGPFQEGQPRLSGKNKSDVKSSASAAEHSIQGSDVNHSAGSKAKKSKVDWSPELHKKFVQAVEQLGIDHAIPSKILELMKVEGLTRHNVASHLQKYRTQKKHIMHREENPWWSHPRCTIQTNHLKPIMAYPSYHPNCGISLSPVFPTWRQTNSHPGNARPPGFCHWPRPGIQPWNSYAGVQADAWGCPVTLPSHAPYFAHPQHVSSASHNMHTVNKSYGMPQSSFDLQPDEEVVDKVVKEAMRKPFSPLPLGLKPATERVLTELSMQGISIVPPQINGSRPP |
| Moc06g35570  [Bitter gourd] | MTLVISKTSSHTSFSISNRQCWRVFRMRCVVGLVTVTSLIFEVVLEALSISFFVLLFSEAYPIGKTSSSEDLAVIIVVYFVNLDQNNDLKMFEFLLMSSDLKKHAKPAMVCTADDLQGWKDFPKGLRVLLLDRDSRSTTEIRSRLEEMEYVVYSCCDEKEALSAILNTPGNFHVAILEVCTGNYDESFKLLEISKDLPIIMTSDVHCLSTMMKCIALGAVEFLLKPLSEEKLRNIWQHVIHKAFSNPSKPDEESVASLMQLQLENEDKNGVPEDMEILSWVQDIVWEQSEESEKSQLNQGASLICSWESQDQMNDSRETGCRDKETQSKLVKTTSHDLVCEEHLSESDSQPQLSGKNKSGVKSSPSVAEHSIQGSDVNHSAGLKVKKTKVDWTPDLHRKFVQAVEQLGIDHAIPSKILELMKVEGLTRHNVASHLQKYRMQKRHVIHREEIPRWPHPRCSMQFNHLKPIMAYPSSHPNCGLSVSAVYPTWRQTNGHPANVHMWGPPGYRHWPQPGIQPWNSYTGVQADAWGCPVMLPSHAPYFSNPHHVSAPHNLYTVNKSHGMPQRSFDLQPDEEMIDKVVKEAMRKPWSPLPLGLKPPSTESVLSELSRQGISTVPPHINGSRPP |
| Solyc08g077230.2 [Solanum lycopersicum] | MICIENELLGWKDFPKGLKVLLLDEDSNSAAEMKSRLEKMDYIVYSFCNESEALTAISSKSEGFHVAIVEVSAGNSDGVLRFLESAKDLPTIMTSNIHSLSTMMKCIALGAVEFLQKPLSDDKLKNIWQHVVHKAFNTRKDVSKSLEPVKDSVLSMLQLQLEMGEADDKSSNGTEPPTAVAESNTEQSSGCDKYPAPSTPQLKQGVRSVDDGDCHDHTIFSTDQDSGEHDADTKSVETTYNNSLAENNVQTSPTVQQGDIILKEDNVSSPDLKTETDIATTSRSNDCPDNSIMHSAEPSKASGPHSSNGTKSNRKKIKVDWTPELHKKFVQAVEQLGIDQAIPSRILDLMKVEGLTRHNVASHLQKYRMHRKQILPKEVERRWPNPQPIDSVQRSYYPHKPIMTFPQYHSNHVAPGGQFYPAWVTPASYPNGLQVWGSPYYPGWKPAETWHWTPRPELHADTWGSPIMSPSLGSYPPYPQNAGVYRPHGTHNRYSMLEKSFDLHPADEVIDKVVKEAITKPWLPLPLGLKAPSTESVLDELSRQGISTIPSQINDSRCRR |
| CA06g13040 [Capsicum annuum] | MVCTENDLLGWKDFPKGLRVLLLDKDSNSASDMRSRLEEMEYIVYAFCNETEALSAISSKSEVFHVAIVEVSAGNSDGGLKFLEGAKDLPTIMVSNIHSISTMMKCIALGAVEFLQKPLSDDKLRNIWQHVVHKAFHSGGKNVAESLKPVKESLLSMLELQPVKREADSENSNEAEPLTSVLENQKESPNCCDKYPAPSTPQHKQGVRSVDDGDFQDHTILSNEQDSEVHEGDTKSVETTCCDSVAETSILADSAGRLEVAITKDERDSAADQNMEDPIATCSRSNDYPADGSTRSAESNKASGLHSSSGTKANKKKMKVDWTPELHKKFVKAVEKLGIDQAIPSRILELMKVEGLTRHNIASHLQKFRMQRRQILPKEDEKRWPRPQLRDSVQRTYYYPHKPVMAFPTYHPNNAPTAGQFYPPWIPPGGYPNGAHMWGSPYYPGWQPPENWHWNPHSGLYADVWGCPVTPPSLGSCTPYLQNASGIHNRYGIIQKSVDLHPAEEVIDKVVKEAIHKPSLPLPLGLKSPSTESVLDALSKQGISAVPSRINGSRRPH |
| Niben101Scf10062g00008.1 [Nicotiana benthamiana] | MICTEDDQLLGWKDFPKGLRVLLLDEDCNSAAEMRSRLEKLDYIVYSFCNENEALSAITNKSEDFHVAIVEVTAGNSDGVLRFLESAKDLPTIIEFLQKPLSDDKLKNIWQHVVRKAFNGGEKDVPKSHKPVKESLVSMPQLQQVKSAADDKSSNETEPYTSVPDNNNEQSSGCDKYPAPSTPQLKQGVRSVDDGDCQDHTIFSTEQDSGEHDGETKSVETTFNNTIAERTVQTSPPEQQGQTIVKEENGSSPHQKVEADIATSSLSNNCPDNSSSHSAEPSKASAPHSSSGTKTNKKKMKVDWSPELHKKFVQAVEQLGIDQAIPSRILELMKVEGITRHNVASHLQKYRMHRRQILPKEVERRWPHPQPRDSVQRSYYPHHRPIMTVPPYHSNHVPAAGQLYPAWVPPASYPTGLQVWGSPYYPAWQPADSWHWNPHPGLHADTWGSPVMPPSLGSYPPYPQNGGVYRPNGMQNRYSMLEKSFDLHPAEEVIDKVVKEAITKPWLPLPLGLKRPSTESVLHELSRQGISTVPPQINGSRRS |
| SMEL\_006g257080.1.01  [Solanum melongena L.] | MVCTENELLEWKDFPKGLKVLLLDKDCSSASQMRSRLQEMDYIVHTFCNENEALSAISSKSEVFHVAIVEVSDGNSDGELKFLESAKDLPTIMVSNIHSISTMMKCIALGAVEFLQKPLSDDKLRNIWQHVVHKAFHSGGKNVSESLKPVKESLLSLLELQQVKREDTNEAEPLTSVEENQKESPPCCDKYPAPSTPQQKQGVRSVDDNDLQDHTILSNEQDSGVHEGDTKSVETTCCGSIAETAVLADSARAITKEEHDSAVDQNMEDPIATCNDCPINSSIGSAHRNKASGVHSSSGTKANTKKMKVDWTPELHKKFVKAVEKLGIDQAIPSRILELMKVEGLTRHNIASHLQKFRMQRRQILPKEDERRWPRPQPRDLVQRTYYPHKPVMAFPTYHSNHASTAGQFYPAWIPPGGHPNGAHMWGSPYYPGWPPPETWHWNPQPGLYADVWGCPVTPPSLGSCTPYPQNASRFHRAEGIHNRYSSIEKSVDLHPAEEVIDKVVKEAINKPWLPLPLGLKPPSTESVLDALSKQGVSTVPPRINGSHRPH |