Gene sequences of saffron (*Crocus sativus* L., "Krokos Kozanis")

Sanger-sequenced genes and cDNAs deposited in GenBank

1. Dataset description

The dataset contains 14 nucleotide sequences of genes isolated from Greek saffron (*Crocus sativus* L., Krokos Kozanis, Kozani, Greece). The sequences were obtained by Sanger sequencing and include 12 full-length cDNAs (mRNA, complete coding sequences) and 2 genomic DNA sequences. They comprise genes involved in flowering and flower development (*TFL1* and four *SEPALLATA3*-like MADS-box genes, *SEP3a–d*), and members of the NAC transcription factor family (*NAP* and seven *NAC* genes), including the promoter region of the *NAP* gene. All sequences are available in GenBank (NCBI) under the accession numbers given in Table 1.

Species	*Crocus sativus* L. (saffron)
Origin	Krokos Kozanis (Kozani, Greece)
Method	Sanger sequencing
Sequences	14 (12 mRNA/cDNA; 2 genomic DNA)
Repository	GenBank (NCBI)

2. Sequence list

Table 1. Saffron gene sequences: GenBank accession, gene, molecule type, length and coding sequence (CDS)

Accession	Gene	Description	Molecule	Length (bp)	CDS (positions)	Protein (aa)	Protein ID	Ref.
GQ414769.1	*TFL1*	terminal flower 1-like protein (TFL1) gene, complete cds	genomic DNA	1,826	552..752, 844..905, 1353..1393, 1506..1723	173	ACX53295.1	2
EU424140.1	*SEP3d*	SEPALLATA3-like MADS-box protein (SEP3d) mRNA, complete cds	mRNA	1,059	95..814	239	ACB69512.1	3, 6
EU424139.1	*SEP3c*	SEPALLATA3-like MADS-box protein (SEP3c) mRNA, complete cds	mRNA	1,070	90..794	234	ACB69511.1	3, 6
EU424138.1	*SEP3b*	SEPALLATA3-like MADS-box protein (SEP3b) mRNA, complete cds	mRNA	1,157	105..824	239	ACB69510.1	3, 6
EU424137.1	*SEP3a*	SEPALLATA3-like MADS-box protein (SEP3a) mRNA, complete cds	mRNA	1,110	24..740	238	ACB69509.1	3, 6
EF535587.1	*NAP*	NAP gene, promoter region	genomic DNA	1,378	–	–	–	1, 4
GQ865604.1	*NAC5*	NAC-like protein 5 (NAC5) mRNA, complete cds	mRNA	1,115	90..899	269	ADK47979.1	5
EF535586.1	*NAC21*	NAC-like protein 21 (NAC21) mRNA, complete cds	mRNA	1,137	85..912	275	ABU40780.1	4
EF535585.1	*NAC14*	NAC-like protein 14 (NAC14) mRNA, complete cds	mRNA	1,237	71..973	300	ABU40779.1	4
EF535584.1	*NAC13*	NAC-like protein 13 (NAC13) mRNA, complete cds	mRNA	1,207	199..1044	281	ABU40778.1	4
EF535583.1	*NAC11*	NAC-like protein 11 (NAC11) mRNA, complete cds	mRNA	1,218	73..954	293	ABU40777.1	4
EF535582.1	*NAC7*	NAC-like protein 7 (NAC7) mRNA, complete cds	mRNA	1,220	28..984	318	ABU40776.1	4
EF535581.1	*NAC3*	NAC-like protein 3 (NAC3) mRNA, complete cds	mRNA	1,154	28..984	318	ABU40775.1	4
EF535580.1	*NAP*	NAP-like protein (NAP) mRNA, complete cds	mRNA	944	20..763	247	ABU40774.1	4

CDS positions refer to the nucleotide sequence of each accession; for TFL1 (genomic DNA) the CDS is split into four exons. Ref. = publication in the reference list.

References

[1] Kalivas,A., Pasentsis,K., Argiriou,A. and Tsaftaris,A.S.. Isolation, Characterization, and Expression Analysis of an NAP-Like cDNA from Crocus (Crocus sativus L.). *Plant Mol. Biol. Rep. 28 (4), 654-663 (2010)*.

[2] Tsaftaris,A., Pasentsis,K., Kalivas,A., Michailidou,S., Madesis,P. and Argiriou,A.. Isolation of a CENTRORADIALIS/TERMINAL FLOWER1 homolog in saffron (Crocus sativus L.): characterization and expression analysis. *Mol. Biol. Rep. 39 (8), 7899-7910 (2012)*.

[3] Tsaftaris,A., Pasentsis,K., Makris,A., Darzentas,N., Polidoros,A., Kalivas,A. and Argiriou,A.. The study of the E-class SEPALLATA3-like MADS-box genes in wild-type and mutant flowers of cultivated saffron crocus (Crocus sativus L.) and its putative progenitors. *J. Plant Physiol. 168 (14), 1675-1684 (2011)*.

[4] Kalivas,A., Pasentsis,K. and Tsaftaris,A.N.. Simultaneous isolation and characterization of full-length cDNA sequences of the NAC-like family of transcription factor genes from Crocus (Crocus sativus L.) flower using a modified RCA-RACE method. *Unpublished*.

[5] Kalivas,A., Pasentsis,K., Argiriou,A. and Tsaftaris,A.S.. A Rolling Cycle Amplification for RACE method, called fam-RCA RACE, for obtaining families of homologous cDNAs in one reaction: Application to isolate NAC genes from crocus (Crocus sativus). *Unpublished*.

[6] Tsaftaris,A.S., Polidoros,A.N., Pasentsis,K., Freilich,S. and Ouzounis,C.. Cloning, characterization and expression patterns of flower specific SEPALLATA-like MADS-box genes in crocus (Crocus sativus L.). *Unpublished*.

Appendix A. Nucleotide sequences

Sequences are given 5′→3′, 60 nucleotides per line, with the position of the first nucleotide of each line. = coding sequence (CDS).

>GQ414769.1 Crocus sativus terminal flower 1-like protein (TFL1) gene, complete cds (1,826 bp)

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   1 ATCCAAATAT GAGAACATAA TGGCCAACTT TAAATCCAAA CATGAGGAGA ACAATATATG
  61 GCGGAACAGA TGATCAATTT CCACCAAAAT GCCCCTCGGG TTAAGGAAGG ATGGGTAGGG
 121 GTTAGTGTTA GGGTTATGGG AGATTTTGGT CATTTCATCT CTGGAAATTG ATGAAGTACC
 181 CTGGATTTAG ATTTTCCCCA ATGTAATAAG AAATATCCTG AAGTTTGTAT GTGCAGCTGC
 241 TAATTGTACA GTACTGAAAG TTGGAAAGGA AAAAGAGATT GATACTGTGG AATTAATTAG
 301 TGCTTTTTCT GATACTTCTT TTCCAAATGA AGAACTCAAC CCTCTCACTT TTCACACTCC
 361 ATATATGGCT GTCTAGAGTT TGGTATTGGT CTATAGTACC TTTTTGAACA CTATAAATAG
 421 AGGGCTCTAT ACTTGCCATT GAACAACATA AGAGGCCAAC CTCTCCTCTA ATTAAGAAGC
 481 CTATCAGCTT AATTGCCCTG TAATTAATTA AGTACTGCCT TCCTCTCTCC CTAATTAATA
 541 ATTAGCTAGA CATGGCAAGA GTGATGGAGC CTCTAATTGT CGGTAGGGTT ATCGGTGAAG
 601 TCCTCGACTC CTTCGAACAA AGTATGAAGA TGATGGTCAC TTACAACTCC AACAAGTTGG
 661 TCTGCAATGG CCACGAGTTC TTCCCTTCCG CTGTCGCTCC GAAACCGAGA GTTGAGGTCC
 721 AAGGTGCTGA CATGAGGTCC TTCTTCACAT TGGTATTCCT CTCTCTCTCT CTCTCTCTCT
 781 CTCTCTCTCT CTCTCTCTCT CTCATTAACT CTTTCTCTCT CTAATTACCA TACTAATTGA
 841 CAGGTAATGA CTGATCCGGA TGTACCAGGC CCTAGTGATC CTTACTTGAG AGAACACCTG
 901 CACTGGTAAA ACCCTAACTA AAACAAGGGT TAAATGCCGT TAACCCCTCT ATTTTTTACC
 961 CCATGTTCCA AAACTCTTCC TAATTTTATT TTTGGTTCCA AAACACTCTC TGTCCATACA
1021 AATTTGGAAA ACAAAAATTG AAAATCAAAT CGAACCGAAC CGCAATACAC CAGGAGTGTT
1081 TTGGAACCAA AAATAAAATT AGGAAAAGTT TTGGAACATG AGGTAAAAGA TAGGAGGGTT
1141 AACGGCATTT AACCCTTAAA ACAATATATA CATATTATAA CAGAAAGAAA GAAACAATGT
1201 AGTTTGAGGT TGACAATCCA ATTAAAGAAA AAAGATCATG CATGCATACA TACAACAAGA
1261 AAAAAGAACT TGGTTAACAT AATAATAAAA GTATAATATG GAGACAAAAG CAATTTCAGT
1321 AGAAAATGAT GATGAGTTTG TCCCTCTTGC AGGATTGTGA CTGACATTCC AGGCACAACT
1381 GATGCTTCAT TTGGTGGGCC TCCTTTTCAG TATCTATGTT TTATGGGACA TAGTAAAGTG
1441 ATTTTTTCAA TTAGAATATG AATATATCTA ATCCTTGACA ATTGTGGGCA ATTAAACAAA
1501 TGCAGGAAGG GAAATGGTGA GCTATGAGAG CCCAAGGCCT AACATAGGGA TCCACAGGTT
1561 TGTGTTTGTC CTTTTCCGGC AGAAGCGCCG TCAGTCGGTG GGACCCCCGC CCTCGAGGGA
1621 TCGGTTCAGT ACACGCCGCT TCGCTGCAGA GAATGATCTC GGTCTTCCGG TCGCTGCCGT
1681 CTACTTCAAT GCTCAGCGCG AGACTGCAGC CCGCCGCCGT TAGTTTGACT AGTCAACACT
1741 TTCTGATGTT GTAGTACTAC TGCCTACCAT CCTCCTTCCT TAGATTTAGA TTTAGATTTA
1801 GATTTGTTGG TGCTATCACT CTGGGC
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>EU424140.1 Crocus sativus SEPALLATA3-like MADS-box protein (SEP3d) mRNA, complete cds (1,059 bp)

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   1 ACTGTACAAT ACCCTTTTCC TCTTACCCTC TCTCTCTACT TCTTCTCCTT TACCTCATCT
  61 TCTAGAGAGA GAAGGAGAGA AATCGTTGGT AATTATGGGT AGAGGGAGAG TCGAGCTGAA
 121 GAGGATCGAG AATAAAATCA ACCGACAGGT GACCTTCGCG AAGAGGAGGA ATGGACTCCT
 181 CAAGAAGGCC TACGAACTCT CCGTACTGTG CGATGCTGAG GTGGCACTCA TCGTCTTCTC
 241 CAACCGAGGC AAGCTCTACG AGTTCTGCAG CAGCTCCAGC ATGCTGAAGA CACTTGAAAG
 301 GTATCAAAAA TCAAGTTATG GAGCACCTGA CCATGGTGTA CAAATAAGGG ATACTCAGTT
 361 GCTGCAGAGT CATCAAGAGT ATCTGAAACT TAAAGCACGT GTTGAGTCGT TACAGCGAAC
 421 ACAAAGGAAT CTTCTGGGAG AGGATCTGGG ACAGCTGAGC ACCAAGGAAC TCGAGCAACT
 481 TGAAAGACAG CTCGATTCAT CATTGAGGCA GATTAGATCA ACAAGGACCC AATACATGCT
 541 AGACCAGCTT TCTGACCTTC AAAGACAGGA GCACATGCTC TGTGAATCCA ATAAGAGCCT
 601 CCGCAAAAAG TCTCCTTTTA TGCAGCTGGA AGAGAGCAAT CAAGCTTGGG AGTCCAATGC
 661 CAATCCACTA GGTTACGGCC GACAGCAAAC TCAACCCCAA GTGGGTGAGT TTTTCCATCC
 721 TTTGGCATGC CAACCCACTC TACAGATGGG GTTCCAAACT GAACAGCTAT CTGGGCCAAG
 781 TGCAAGTACA TACACTCCAG GATGGTTCCC ATGAATCTCC AGTGATTTGC TCTTGGTTAC
 841 TTGCTATAGA TTATTCTAAA CCCAAATAAT GGAATATGTT ATTATAAGTT GTGACCTTAA
 901 AAGGTGATTG CAATCCCTCT GCTTGTTCTC TAAACTCTTT CCATTTTGTG TTGGTTGGAC
 961 TTTTCTGTAG GGTGTCATAA GCCCAATTAT GTCGCAAATA CAATCTTGCT AATCTATATT
1021 CAATATTGGA TCAAATCCGC ACAAAAAAAA AAAAAAAAA
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>EU424139.1 Crocus sativus SEPALLATA3-like MADS-box protein (SEP3c) mRNA, complete cds (1,070 bp)

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   1 ACAATACCCT TTTCCTCTTA CCCTCTCTCT CTACTTCTTC TCCTTTACCT CATCTTCTAG
  61 AGAGAGAAGG AGAGAAATCG TTGGTAATTA TGGGTAGAGG GAGAGTCGAG CTGAAGAGGA
 121 TCGAGAATAA AATCAACCGA CAGGTGACCT TCGCGAAGAG GAGGAATGGA CTCCTCAAGA
 181 AGGCCTACGA ACTCTCCGTA CTGTGCGATG CTGAGGTGGC ACTCATCGTC TTCTCCAACC
 241 GAGGCAAGCT CTACGAGTTC TGCAGCAGCT CCAGCATGCT GAAGACACTT GAAAGGTATC
 301 AAAAATCAAG TTATGGAGCA CCTGACCATG GTGTACAAAT AAGGGATACT CAGTTGCTGC
 361 AGAGTCATCA AGAGTATCTG AAACTTAAAG CACGTGTTGA GTCGTTACAG CGAACACAAA
 421 GGAATCTTCT GGGAGAGGAT CTGGGACAGC TGAGCACCAA GGAACTCGAG CAACTTGAAA
 481 GACAGCTCGA TTCATCATTG AGGCAGATTA GATCAACAAG GACCCAATAC ATGCTAGACC
 541 AGCTTTCTGA CCTTCAAAGA CAGGAGCACA TGCTCTGTGA ATCCAATAAG AGCCTCCGCA
 601 AAAAGCTGGA AGAGAGCAAT CAAGCTTGGG AGTCCAATGC CAATCCACTA GGTTACGGCC
 661 GACAGCAAAC TCAACCCCAA GTGGGTGAGT TTTTCCATCC TTTGGCATGC CAACCCACTC
 721 TACAGATGGG GTTCCAAACT GAACAGCTAT CTGGGCCAAG TGCAAGTACA TACACTCCAG
 781 GATGGTTCCC ATGAATCTCC AGTGATTTGC TCTTGGTTAC TTGCTATAGA TTATTCTAAA
 841 CCCAAATAAT GGAATATGTT ATTATAAGTT GTGACCTTAA AAGGTGATTG CAATCCCTCT
 901 GCTTGTTCTC TAAACTCTTT CCATTTTGTG TTGGTTGGAC TTTTCTGTAG GGTGTCATAA
 961 GCCCAATTAT GTCGCAAATA CAATCTTGCT AATCTATATT CAATATTGGA TCAAATCCTC
1021 ACATCGAGCA TCATGTGATT GTAATTTTTA CCTAAAAAAA AAAAAAAAAA
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>EU424138.1 Crocus sativus SEPALLATA3-like MADS-box protein (SEP3b) mRNA, complete cds (1,157 bp)

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   1 GCAGTGAAAT CCTTTCTTGT CCAACTCTCT TTCTTTCATC ATCTTCTTCC TCCTCCTCTA
  61 TTTTCTAGAG AGAGAAATTA GGTAGTAATT GATTCTTCTA AGAAATGGGG AGAGGGAGAG
 121 TCGAGCTGAA GAGGATCGAG AACAAGATCA ACCGACAGGT GACCTTCGCA AAGAGGAGGA
 181 ATGGACTCCT CAAGAAGGCC TACGAACTCT CCGTACTGTG CGATGCTGAG GTGGCACTCA
 241 TCGTCTTCTC CAACCGAGGA AAGCTCTACG AGTTCTGCAG CAGCTCCAGC ATATTGAAAA
 301 CGCTTGAGAG GTATCAAAAA TGCAGTTATG GTGCTCCCGA TAACAATGTA CAAATAAGGG
 361 AAACTCAGTT ACTGCAGAGT AGTCATCAAG AATACTTGAA GCTTAAAGCT CGCGTCGAAG
 421 CTTTACAAAG ATCACAAAGG AATCTTCTTG GAGAGGATCT TGGGCCACTA AGCAGCAAAG
 481 AGCTGGAGCA ACTTGAAAGA CAACTTGATT CGTCGTTAAA GCAAATAAGA TCAACACGGA
 541 CACAATGTAT GCTTGACCAA CTTGGTGATC TTCAAAGAAA GGAACACATG CTTTGTGAAG
 601 CTAACAGAAG TCTGAGGAAG ACATTGGAAG AAAGCAACCA GGCTAATCAT CAGCAGGTTT
 661 GGGAGTCCAA TGCTAATGCA ATAGCATACG ACCGGCAAGC AAATCAACAA AGAGAAGAGT
 721 TCTACCAGCC ATTGGATTGC CAACCCACTC TACATATTGG GTTTCAGGGT GATCAAATGG
 781 CTGGTCCAAG TGTGACTACT TACATGCCTG GATGGTTGCA ATGAGCCTTT CGGGTTAATT
 841 ATCGTCCCAA ATCGATCAAA AGAACATGTT TGAAGAAAAG AAGGTAATGT GGTTGCAGTA
 901 GAGACAATAT TCATGTATAA TGTTGTAATC ATATATATGC ATGTTGGAAG ACTTCCTTAT
 961 TGATCTCATT GTATGTTCTA AGTATAGGTG GGGTACAAAA CTCTCATAAA TGTATGTATG
1021 TATGTATGTA TGTATGTATG TATGTACGTA CGTACTTGTA TTTTTAATTT GTGTGCTATA
1081 TTGTTGTTAG GTTCTTAAAT CTTCTAATAT AATTAAAACA TGCATGGTCG TAATAAAAAA
1141 AAAAAAAAAA AAAAAAA
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>EU424137.1 Crocus sativus SEPALLATA3-like MADS-box protein (SEP3a) mRNA, complete cds (1,110 bp)

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   1 AAAAATAAAT TGGGCTCTCA GAAATGGGGA GAGGAAGAGT CGAGCTGAAG AGGATCGAGA
  61 ACAAGATCAA CAGACAGGTG ACCTTCGCGA AGAGGAGGAA CGGACTCCTC AAGAAGGCCT
 121 ACGAACTCTC CGTACTCTGC GATGCTGAGG TGGCACTCAT CGTCTTCTCC AACCGAGGAA
 181 AGCTTTACGA GTTCTGCAGC AGCTCCAGCA TAATGAAAAC ACTTGAGAGG TACCAAAAGT
 241 GCAGTTATGG GGCTCCTGAT AACATTGTAC AAATAAGGGA AACTCAGTTA CTGCAGAGTA
 301 GTCATCAAGA ATACTTGAAA CTTAAAGCTC ATGTCGAAGC TTTACAGAGA TCACAAAGGA
 361 ATCTTCTTGG AGAGGATCTT GGGCCACTAA GCAGCAAAGA GCTGGAGCAA CTTGAAAGAC
 421 AACTTGATTC ATCATTAAAG CAAATAAGAT CAACACGGAC ACAATGTATG CTTGACCAAC
 481 TTGGTGATCT TCAAAGAAAG GAACACATGC TTTGTGAAGC TAACCGGAGT CTGAGGAAGA
 541 GGTTAGAAGA AAGCAGCCAG GCTCATCAGC AGGTCTGGGA GTCTAATGCT AATGCAATAG
 601 CATACGCCCG ACAAGCAAAC CAACAAGAGG AAGAGTTCTA CCAACCGCTG GATTGCCAAC
 661 CCACTCTACA GATTGGGTTT CAGGCTGATC AAATGGCTGG ACCAAGTGTG ACTAATTACA
 721 TGCCTGGATG GTTGCAATGA GCCCTTCCGG TTAATTATCA GCCCTTCGAT CGAACGAAAA
 781 CCTTGGAAGA AAAGAAGGTA AATGGTTGCA GTAGAGACAA TATTCATATA TGTGAATGTT
 841 GAATTATTGT TGTTGTAATC ATATTTCTTG GAGAACTTCC TTATTGATTC ATGTACGTGT
 901 GAGTTGCATT AGTATCATTT AACAATCAAT GTATGGGGTA CATAACTATC ATAAATGTAT
 961 GTATGTATGT ATGTATGTAT GTATGTATGT ATGTATGTAT GTATGCATGT ACCTACTTGT
1021 GTTTTTAATT TGTGTGCTAT ATTGTTGTTA GGTTCATAAA TATTCTAATA TAATTCAAGC
1081 ATGGTCTTAA AAAAAAAAAA AAAAAAAAAA
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>EF535587.1 Crocus sativus NAP gene, promoter region (1,378 bp)

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   1 CGACGGCCCG GGCTGGTATC CGTCGGTTTC GAATGAAATT GTCATCCCTA GTGCTTTTTC
  61 ACATGGATGT ATGTATCATC GGTAATCCAC TGTGCATAAA AATAGAGTGG AACATATGTT
 121 GTAGGCAATC TGGGTACTCA CTAAGATGCT ATATTTTAAT TTTCAGTTTC CACATAGCTG
 181 ACTAGCTGTA GCAAAAAAAT AAAAAAAGCT AACGCTACGC TGCAAGTTGA AACAAACGAG
 241 GATGTTCTTG TTGCATTTAT TTTGTACTCT TATGATTTTT TTTTTTTTTT TTGCGATGAA
 301 ATGTCTCAAT AATCTTGTAA TTGTTGTTGT ACTTCTTGAT TTTTACAAAT CTAAGCGACA
 361 TAATTATCTC ATTTAAGAAT GATTTATGAC GAGATTAAAT CGTGATAAGA CAAAGATTGA
 421 GATTGGAGTT CGTTCTAATT TCAACTTTGT TAGGCATTTG TATGTTTCGC ATCAGGTGTA
 481 ATGCTTAATC AGTTAGGTCG AATTAGGTAA CGAAAGCTGC TTAGCCTTGA TATTTGTCCT
 541 TAGGGTCTCT AATTGGGGAC GGGAGGTAAG TGGAAGCGGA CGTCGGAGTA ACTTTTTTCT
 601 TCTATTTTCT ATGCTATCCA GATCGAATAA ATGGAAAATA AAAATAAAAA TTAACAGTTC
 661 TTGTACATGC TCAATTGATG GTAGGTTTTT TTAGGATTAT AGATCTGAAA TTTATTTCTG
 721 TCTAGAATTT GTTTGATTGG ATCTAATGCG CCCACAGTTG TCTCTTGTCC CTTTCATTAT
 781 CACTAAATTT TGATTACCTT GCTTTAATCC AATCGCCATC ACTAAACATA GAGGAGATGA
 841 CATTTGACAA GAGAGGACGA GAGTGATCAG GAAAAGGAGA TCAAGATAAG AGTTTAAGAG
 901 TTGATTGATT ACTGACTGAG TGATTAACGA CGATAATTGA GGAAATTATG GACAGCATAT
 961 TCCAGAGATA TGAGGTCATC AAATCCAAAT TAAGCAACGA GCCAATCCTC CCCATCGCAT
1021 TCTCATGGCA GCATTGTAAA CGCCAACTCA AAACTTGGAG TTAAACAAAG CAGTAAGTCC
1081 GATTCGATCA ATTTCACCGA CTCCAACCAT TACGTGGCTG GATAAGAACT TCCCAAATTT
1141 GTCATCTTCT CCCCCTCCTC TTCGTGGACA CGTGTCGACA CTCAAGTCGT TCTTCCAGCA
1201 CGCCTACCAG CTGACAACTC ATTGACGGCT GCATATTCCA AGTCAGAGCT TCAAACTTGT
1261 TGCATGATGA TTTGAAGGGT TAGTATATTA CATTATTACC TACGTTTCTT GAACATAATG
1321 CTGATTATTA TTTATATAAT GGCTAGCCAG CTCCCTTGTT CCCAACATCT CAACATTA
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>GQ865604.1 Crocus sativus NAC-like protein 5 (NAC5) mRNA, complete cds (1,115 bp)

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   1 AAAAGCTTCC ACGCCTCCTA AGGAAGAAGA GAAGCGGTGG TTTTTGCAAT TAAAAAATTG
  61 TTTTTTCCGG TGGGCGAGAA AAGAAAAAAA TGATTGCTCC TAATTTGCAG TTTCCCCCCG
 121 GGTTCCGGTT CCACCCGACC GACGAGGAGC TGGTGGCGCA CTACCTCTGC CGGAAGTGTG
 181 CGTCCCTCCC CCTCGCCGTG CCGATAATTG CAGAAATCGA TCTTTACAAG TTCGACCCAT
 241 GGGAGCTCCC GGGTCTGGCT TCGTATGGGG AGAAAGAGTG GTACTTCTTT TCGCCCAGGG
 301 ACCGGAAGTA TCCCAACGGG TCCCGGCCGA ACCGGGCGGC CGGGTCGGGT TACTGGAAGG
 361 CGACCGGCGC CGACAAGCCG GTCGGGTTAC CGAAGCCCGT GGCGATAAAG AAGGCTCTGG
 421 TTTTCTACGC CGGAAAGGCG CCGAAAGGGG AGAAGAGCAA CTGGATCATG CACGAGTATC
 481 GGCTGGCCGA CGTGGACCGG TCGGCTCGGA AGAAGAACAG CCTTCGGCTT GATGATTGGG
 541 TGCTGTGCCG GATCTACAAG AAGAAGGGTG GGGAGCCGGA GAGGGAGCCT GTCGGATCGA
 601 AGTTCCTCAA CCCGAATCCG AATCCGAACC CGTCCAAGCT GGAGATAAAA TCTGAGATAT
 661 TTGCGCACGT GCCGCCGCCG CCGGTGACTA ACGACATGTT CTACTTCGAC ACGTCGGACT
 721 CGTTGCCGCG GCTTCACGCG GACTCGAGCT GTTCGGAGCA CGTGCTGTCG TCGGGGTTCA
 781 CGAGCGAGAC ACGTGAGGCG GAGAGCCAGC TCAGGTGGGG AGTTCCGACC GCGGCTTCGG
 841 ATTTCGGATT TGCTGATCCG TTTCAGGACA TCATGATGTA CCTGCAGAAG CCGTTCTGAA
 901 TAATGAGACT TTGGATGGGA CTACTCAGGC GAGCCGACAA TTGTGGACCG TTGGATTGTC
 961 GGTGATTTTA TGGTGTTGCT GTGCTTACAT TCATGTTCTC CGTGTAAATA ATTAATATTG
1021 CTACAAATTT TGTAACAGTC GGTTAAGTTG CTATAACTTG GCAATTGAAA TTGAAATGAA
1081 TTCAATTGAG TTCAACCAAA AAAAAAAAAA AAAAA
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>EF535586.1 Crocus sativus NAC-like protein 21 (NAC21) mRNA, complete cds (1,137 bp)

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   1 AAAAAAAAAA GCTTTCGCCG CCTCCGGATT GAAGAGAAGC GGTGGTTTTT GCAATTAAAG
  61 AATTGTTTTG GGGTTGGTGA GAAAATGATT GGTGCTAATT TGCAGTTCCC GCCCGGGTTC
 121 AGATTCCACC CGACCGACGA GGAGCTGGTG GCGCACTACC TCTGCCGGAA ATGTGCGTCC
 181 CTCCCCCTGG CCGTTCCGAT AATTGCAGAA ATTGATCTTT ACAAATTTGA CCCATGGGAG
 241 CTCCCCGGTT TGGCTTCGTA CGGGGAGAAA GAGTGGTACT TCTTTACGCC GAGGGACCGG
 301 AAGTACCCGA ACGGGTCCCG CCCGAACCGG GCGGCCGGAT CGGGTTACTG GAAGGCAACC
 361 GGCGCCGATA AGCCGGTCGG GTTACCGAAA CCCGTGGCGA TAAAGAAGGC TCTGGTTTTC
 421 TACACCGGAA AGGCGCCGAA GGGGGAAAAG ACCAACTGGA TCATGCACGA GTACCGGCTC
 481 GCTGACGTGG ATCGGTCGGC CCGGAAGAAG AACAGCCTAC GGCTTGATGA TTGGGTGCTG
 541 TGCCGGATCT ACAAGAAGAA GGGCGGGGAG CCGGAGAGGA AGCCGGCCGG GTCTAAGTTC
 601 CTCCGCACGA ACCCGAATCC GAACCCGAAC CCGCACGAGC TGGAGATAAA GCCCGAGATG
 661 TTTGCGCACG TGCCGCCGCC GGGGACGAAC GACATGTTCT ACTTCGACAC GTCGGACTCG
 721 CTGCCGAGGC TGCACGCGGA ATCGAGCTGC TCGGAGCACG TGCTGTCGCC GGGGTTCGCG
 781 AGCGAGGCAC GTGAGGCGGA GAGCCAGCTC AGGTGGGGAG TTCCGGATAA TAACGCGGAT
 841 GCCACTGCTT CGGATTTCGG GTTTGCGGAT CCGTTCCAGG ACATCCTGAT GTACCTGCAG
 901 AAGCCGTTCT GAGGGGATAG ATAACGTGGC GATGGGCTGC TCAGGCGAGT CGACAACTGT
 961 GGACCGTTGG ATTGCCGGGG TCGACGATGA GACTGAGTTG TTGTACTTAA GTTGGTGTGC
1021 TCTGTGTAGA TGATTAATGT GGCTGCAAAT TTTGTAACAG TCGGTTAAAT TGCTAGCTAG
1081 GCAATTGAAA TTGAAATGAA TTGAATTAAG TTCAAAAAAA AAAAAAAAAA AAAAAAA
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>EF535585.1 Crocus sativus NAC-like protein 14 (NAC14) mRNA, complete cds (1,237 bp)

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   1 GAGCCACAAC AACAAAGCAG AGATTTTTCA CTCTTCTCCA TCCCCAATCA AAAACACAAC
  61 CCAACCAACC ATGGGAAGGA GAACAGCAGA TGCCGAGGCG AATCTCAACC TGCCACCTGG
 121 CTTTCGATTC CACCCGACCG ACGAGGAGCT CGTCGTCCAC TACCTCTGCA AGAAGATCAT
 181 CTCCCAGCGC CTCCCTGCTG CCATCATCGC CGAAGTCGAC CTCTACAAAT ACTATCCGTG
 241 GCAACTTCCA GAGAAGGCAT TGTTTGGGCA CAAGGAGTGG TACTTCCTCA CGCCGAGGGA
 301 CCGCAAGTAC CCAAACGGGT CGCGGCCGAA CCGGGCGGCA GGGAGAGGGT ACTGGAAGGC
 361 GACCGGAGCG GACAAACCCA TAGCCCCGAA AGGGGGCAGC AGTAAGCCTC TCGGAATAAA
 421 GAAGGCTCTG GTTTTCTACT CCGGAAAGGC GCCGAGAGGC ACCAAGACCG ACTGGATCAT
 481 GCACGAATAC AGGCTGGCAG ATTCGCACCG GACCGCAAGC AAGAAAGGCA GCCTGAGGTT
 541 GGATGATTGG GTCCTCTGCC GTCTTTACCA CAAAAAGAAC AGCTGGGAGA CGAAGATGCA
 601 GCAACACTCA TCCTTTGGAG AGACGAAGGA TTCATCTTTT GAAGCGGCCG ACGATGCCGG
 661 GTCTGACAGT TTCAGGCCGG ATATCGAGCA CGAGCCGTAC CCGGAGTTCG AAGAAGATCT
 721 TGCGAAACCA ACGGTTTACC CGCCCCAAAC CTCGGACGGA ATGCAAGCAG CAAGAACAAG
 781 CAATACGGTG AAGCAGCGGG TGAAGGAGGA TAATGATTGG TTCATGGACT TGACACTGGA
 841 CGATCTACAG AGTCCTTTAG AAATGTTTGG AACTTCAACC GCTGACCTCG ATGTGTCGAA
 901 CCAGGATTAC TTCTTCCAGA TGCTCAATTC GACGCAGATG AAGACGAGTC TGACCAACTT
 961 GCCACCCTTC TGAAGATAGG AATAGGAGCT TCAGCAAGCA GAGCTGCAAC CGAGTCTGAA
1021 CGATTCACGC CACCATTCTG AAGATAAGGA TAGAGTTGAG AATTACTGAT GTACATAGGA
1081 TTGGTACAAA AGCCTATACA TCTTTGAGAG GGTAGGAGAG AAGACAACTT TGCAGTGTAA
1141 AATTCTTTCA TTTGTTTCTA TCCATTTTAA ATGGAAATAT ATCCATTCTT TGCATGTAAT
1201 GCCATGGAAA AAAAAAAAAA AAAAAAAAAA AAAAAAA
```

>EF535584.1 Crocus sativus NAC-like protein 13 (NAC13) mRNA, complete cds (1,207 bp)

```
   1 ATGTTAATCT ATCCAAAGCC TCAACTGAAA AGACTTGGGA GCTTTTATTG GATTCCCTAC
  61 ACCCAACAAA ACCTAACTTA AAGAAAGCAT GTTTAGTACT TAAACATAAC CATTCTCCAC
 121 CTTTATCACA CACACACACA TCTCTCTCTC TCTCTCTCTC TCTCTCTCTC TCTCTCTCTC
 181 TCTCTCTCTC TAGAAGATAT GGGACTAAGG GACATAGAGT CCACACTTCC TCCAGGTTTC
 241 AGGTTCTACC CAAGTGATGA GGAGCTTGTA TGTCACTACC TTTACAAGAA GGTAGCGAAT
 301 CGGAGATCAT CGGAGAGTAC CATGGTAGAG GTGGATTTGC ACACTCGCGA GCCGTGGGAG
 361 CTACCGGAGG TGGCGAAGCT CACAGACAAT GAGTGGTACT TCTTCAGCTT TCGAGATCGA
 421 AAGTACGCTA CAAGCTTGCG CACAAATAGG GCAACCAAGA CCGGTTATTG GAAGGCCACG
 481 GGGAAAGATC GCACGGTGTA TAAGCCGAAA ACGCGATCGA TTGTGGGAAT GAGGAAAACA
 541 TTGGTCTTCT ACAGTGGAAG AGCCCCAAAT GGTAACAAGA CTGGCTGGGT GATGCACGAG
 601 TTCCGGCTAG AGAATCCATA TAGCCCCCCT AAGGAGGACT GGGTGCTATG TAGAGTTTTC
 661 CATAAAAGGA AAGGGGAGGC AGTAAGCTTC AGCCTGGAGA GCAGTGAGCA AGATGATCAG
 721 AAGGCTGGCA CCTCCTTTTC ACCACCACCG TTGATTGAAC AGCCCATTCC AGATGGTTGC
 781 TATGGCATGA TGGGGTCATC TTTTATCCCA CATGATCAGG AGGAGGGAAA CATCTCAAAC
 841 AACACTTTCC TTAACTTGGC AGTATTGAAA TATAACTTCC TTGATTTCCC ACCAGAGGTG
 901 GGGACCACAT CCATGATGGG TGGGGATGAT GAATTTGGTT TCCTCTTGGA TGTGGCTCTG
 961 GATGATGATG GTGATTGCCA TGGGATTATG GGGCATGGGG GGATTTCTCT TGAGAATGGT
1021 ATATCAACAA CACTTGATCA CTAAGCTATA GCTGGCAAGT ATGTATACAC TATACATATG
1081 ATAATATCTA TCTATCAATC TATCTATGTA GTTACATGTC AGTTGTGAAT GATTTCTGTT
1141 GTTTGTAGAG CACATTTGTC TATAGTAATA AAGTTTGAGT GTGGTTGTAA AAAAAAAAAA
1201 AAAAAAA
```

>EF535583.1 Crocus sativus NAC-like protein 11 (NAC11) mRNA, complete cds (1,218 bp)

```
   1 TCAGAGTTTC GAGAAAGCAA GAGAAGGTTG TAGTTTTGCA AATAACAAAA ATTGTGAGCG
  61 CGAGGGAGAA AAATGAGTGT GGAAAATTTG CAGTTGCCCG CTGGATTCAG GTTCCACCCG
 121 ACCGATGAGG AGTTGGTGAT TTACTACCTA TGCCGGAAAT GTGCGGCGCT ACCCCTCGAT
 181 GTGCCGATAA TTGCAGACAT CGATCTTTAC AAGTTCGATC CATGGGAGCT TCCAAGTTTG
 241 GCTTTGTATG GGGAGAAAGA GTGGTACTTC TTCTCGCCGA GGGAGAGGAA ATATCCCAAC
 301 GGGTCTCGGC CAAGCCGGGC TGCCGGGTCG GGCTACTGGA AGGCAACGGG CGCTGATAAA
 361 CCGGTTGGGA TCCCGAAACC GCTCGCAACA AAGAAGGCGC TGGTGTTCTA CGTCGGCAAG
 421 GCTCCCAAGG GAGAAAAGAC CAACTGGATA ATGCACGAGT ACCGGCTTGC TGACGTGGAT
 481 CGGTCGGCCC GAAAGAAGAA CAGCCTCCGC CTTGATGACT GGGTGCTGTG CCGGATCTAC
 541 AAGAAGAAGG GCATTGAGCC CGAGAGGAAG CCTGCTGGGT CGAAATTCCT CCGCCCGAAT
 601 CCGAGTCTGA ACCCGTACCC GATCCCGACA TCGTCTGAGA CGAAGCCGGA TATATTTGCG
 661 AGCGTGCCGT CGGTACGGGC ACCGGGGATG AACGGCATGT TCTACTTCGA CACGTCGGAC
 721 TCGATGCCGC GCCTGTACGC GGACTCCAGC TGCTCAGAGC ACGTGCTGTC CCCTGAGTTC
 781 ACGTGCGACA CGCGTGAAGC AGAGAGTCAA CCGAGTTGGG GAGAGGTGGA GGGGGCCCAC
 841 GGAGGTCCGA CTTTTAAGGG CGATGCCACC GAATCTGTAT CTTTTCCGAC GACATGTAAC
 901 GGGTTCGCGG ATCCGTTCCA TGATATCGTG AAGTACCTGC AGAAGCCGTT CTGAGGAAAC
 961 ACTCACGTGA GATATGGTTG CTCAGGTGAG CCGACCATCG GTGGCCGTTG GATTACGGAG
1021 TCGACGATGA GACTGGGTTG CTGGGATTTG TTTTGCTGCG ATCGAATTAA TTACTGTCCA
1081 TGTAAGAATT TTTCTAGATG TTGTGCCTAA AATTTTGTCC TGGCTAGTCA AATTGCTGGT
1141 TGGGAAAATG AAAATTGAAA TTGAAATTCA ATCATAAGGA AGTGCAATTT TCTTTTGATA
1201 GAAAAAAAAA AAAAAAAA
```

>EF535582.1 Crocus sativus NAC-like protein 7 (NAC7) mRNA, complete cds (1,220 bp)

```
   1 AAGAGAAAAA AAAAATTAAG ACCAGAAATG GACGACTGTT TAGACTTGCC TCCTGGCTTC
  61 AGATTCCACC CCACAGATGA GGAGATCATC ACCCACTACC TCTCCCCGAA GATGGTGAAC
 121 CGTAGCTTCA CAGCCAGAGC CGTAGGAGAG GTCGATCTGA ACAAGTGCGA GCCATGGGAC
 181 CTCCCAAGTA AGGCGAAGAT GGGAGAGAAG GAGTGGTACT TCTTCTGCCA GAGGGACAGG
 241 AAGTATCCAA CTGGAACGAG GACAAATAGG GCAACGGAGT GTGGCTACTG GAAGGCCACA
 301 GGTAAGGATA AGGAGATCTT CCGCGGAAAA ATCCTCGTCG GCATGAAGAA GACCCTCGTG
 361 TTCTACGGCG GCAGAGCACC CAAGGGAGAG AAGACCAACT GGGTCATGCA CGAGTATCGC
 421 ATCGAATCCA GTTCCTCTTT CCCCTCCAAT CTCCCCAGAC CTGCAAAAGA GGAATGGGTG
 481 GTCTGTAGGG TTTTCCACAA GAACAACGGG GCCAAGAAGG TGTCGATACC CAGTACCGGT
 541 GCAACAGGCA TGGGATCTTT CGGAGATCTC ACGGACTCTC CGAGAATGAG CTTGCCACCT
 601 CTGGCGGACT ATTCGAGACC CGGCTCGAGC AATTACTACT TGAACGGCGT TATCGACCAA
 661 GGCGGCTTCG AATTCAAAGG CGCCATGAAT AGTAACTTTT CTGCCATGAT GTGCATGGAA
 721 AATGATACTG ATTTCTCCGG CATGAATCCG ATCCCTCCTC TCCAGAATCC CTACTCGGTA
 781 CCCGAGCTGG CCTACTCGCA CCAGGAAGAC TTTGGTTGTC ATGGAGCCAT CAGGCAGTGC
 841 AAGGTGGAGC AATTCGTCAC GAACCATTCC GTGCTCGGCG GGGACACAGG GCTCAGCACC
 901 GAGACCTCGT CGGTGATCTC GCGGCACGAT ATCGATGTGC CCAAATCTAT GGGGCTAGAT
 961 TTGGAGAACA TGTGGAAATG CTGAAGATTG GTAACTATTT GGTACAAGTT TTTTCTTTTA
1021 CTTGTTTGTT TCTTGCCGAT TGATTGATTG ATTGATTACA AGGCCAACTC ATCATATGGA
1081 GATCAGGTCT TGTGTTCTAT TTTAGATGAT ACGCTTCGTG TAAATATATT GAAGATGTAG
1141 AATCACTAAG CGGATTAATT CATCATCTGT GGAACCATAC AGATTTATGT ATTTTCATTA
1201 AAAAAAAAAA AAAAAAAAAA
```

>EF535581.1 Crocus sativus NAC-like protein 3 (NAC3) mRNA, complete cds (1,154 bp)

```
   1 AAGAGAAAAA AAAAATTAAG ACCAGAAATG GACGACTGTT TAGACTTGCC TCCTGGCTTC
  61 AGATTCCACC CCACAGATGA GGAGATCATC ACCCACTACC TCTCCCCGAA GATGGTGAAC
 121 CGTAGCTTCA CAGCCAGAGC CGTAGGAGAG GTCGATCTGA ACAAGTGCGA GCCATGGGAC
 181 CTCCCAAGTA AGGCCAAGAT GGGAGAGAAG GAGTGGTACT TCTTCTGCCA GAGGGACAGG
 241 AAGTATCCAA CTGGAACGAG GACAAATAGG GCAACGGAGT GTGGCTACTG GAAGGCCACA
 301 GGTAAGGATA AGGAGATCTT CCGCGGAAAA ATCCTCGTCG GCATGAAGAA GACCCTCGTG
 361 TTCTACGGCG GCAGAGCACC CAAGGGAGAG AAGACCAACT GGGTCATGCA CGAGTATCGC
 421 ATCGAATCCA ATTCCTCTTT CCCCTCCAAT CTCCCCAGAC CTGCAAAAGA GGAATGGGCG
 481 GTCTGTAGGG TTTTCCACAA GAACAACGGG GCCAAGAAGG TGTCGATACC CAGTACCGGT
 541 GCAACAGGAA TTGGATCTTT CGGAGATCTC ACGGACTCTC CGAGAATGAG CTTGCCACCC
 601 CTCACGGACT ATTCGAGACC CGGCTCGAGC AATTACTACT TGAACGGCGT TATCGACCAA
 661 GGCGGCTTCG AATTCAAAGG CGCCATGAAT AGTAACTTTT CTGCCATGAT GTGCATGGAA
 721 AATGATACTG ATTTCTCCGG CATGAATCCG ATCCCTCCTC TCCAGAATCC CTACTCGGTA
 781 CCCGAGCTGG CCTACTCGCA CCAGGAAGAC TTTGGTTGTC ATGGAGCCAT CAGGCAGTGC
 841 AAGGTGGAGC AATTCGTCAC GAACCATTCC GTGCTCAGCG GGGACACAGG GCTCAGCACC
 901 GAGACCTCGT CGGTGATCTC GCGGCACGAT ATCGATGTGC CCAAATCTAT GGGGCTAGAT
 961 TTGGAGAACA TGTGGAAATG CTGAAGATTA GTACCTATTT GGTACAATGT TTTTTTTTTT
1021 TTACACTTGT TTGTTTCTTG CCGATTGATT GATTGTTTGA TTGATTACGA GGCCAAACTC
1081 ATCATATGAA GATCAGGTCT TGTGTTCTAT TTTAAATGAT ACGCTTCGGG TAAATAAAAA
1141 AAAAAAAAAA AAAA
```

>EF535580.1 Crocus sativus NAP-like protein (NAP) mRNA, complete cds (944 bp)

```
   1 ACCCAACATC TCAACATTAA TGAGTTACGA GCTACTTCCA CCTGGGTTCA GGTTCCATCC
  61 AACTGATGAG GAACTGATCG TCCATTACCT CCAGAACCAA GCCACTTCCA GGCCCTGCCC
 121 TGTTCCGATC ATCCCCGAAG TCAACATCTA CAAGTTCGAT CCATGGGAAT TACCTGGAAA
 181 ATCGAGTATG TCTGACGAAC AGTGGTACTT TTTTACCCCT CGCGACCGCA AGTACCCAAA
 241 CGGGGTGCGG CCAAACCGTG CAACGAGATC GGGGTATTGG AAGGCGACGG GCACTGATAA
 301 GGCGATCTAC AGCGGCCCCC ACTTGGTTGG TATCAAGAAG GCGCTCGTGT TCTACGGAGG
 361 CAGACCGCCA CGTGGCAAGA AGACGGACTG GATCATGCAC GAGTACCGTC TTTCCTGCGG
 421 CGGTGGGAAC AGGTATCCAC CGAATGGATC GATGAGGCTG GACGATTGGG TGCTCTGTAG
 481 GATCTATAAG AAGGTGCATC AGAAGAAGGG TACTAATGCT GTAGCTGATT TTGTAAGTGA
 541 TGATACTACT AATAGGGAAC TCGATGTATG TGGGGAAGAG TACAAGTCCT CTTCTCCGAT
 601 GATGCCGCCG ATGTTGCAGA GATCGTGCTC GCTTGCTGGT TTGCTGGAAT TCGATGACTC
 661 GCCGTTCTGC TCGCTCGATG ACCTCTTAAA CAGCACCATC AGCATCAGTG ACGATAGAAT
 721 CAGAAGCTCG ATATTTGCTG ATCCAATCTT CCAACATTGT TGAAGATCAG CCTGGAAAAT
 781 TATACATAGC TATTCTTGTA ATGATTTAGC ATGATTGTTC ATGTGCAAGT GTAACTAGTA
 841 AATAAGTGTA ACTAGTAAAT TTTCTTCGGA TGCATAATCT GCTATTTTTG ATCAATACTA
 901 GATGTCTGTG ATATGCTTTT TGGCGAAAAA AAAAAAAAAA AAAA
```

Appendix B. Deduced protein sequences

Amino acid sequences of the encoded proteins (GenBank translations), 60 amino acids per line.

>ACX53295.1 terminal flower 1-like protein [TFL1; from GQ414769.1] (173 aa)

```
  1 MARVMEPLIV GRVIGEVLDS FEQSMKMMVT YNSNKLVCNG HEFFPSAVAP KPRVEVQGAD
 61 MRSFFTLVMT DPDVPGPSDP YLREHLHWIV TDIPGTTDAS FGREMVSYES PRPNIGIHRF
121 VFVLFRQKRR QSVGPPPSRD RFSTRRFAAE NDLGLPVAAV YFNAQRETAA RRR
```

>ACB69512.1 SEPALLATA3-like MADS-box protein [SEP3d; from EU424140.1] (239 aa)

```
  1 MGRGRVELKR IENKINRQVT FAKRRNGLLK KAYELSVLCD AEVALIVFSN RGKLYEFCSS
 61 SSMLKTLERY QKSSYGAPDH GVQIRDTQLL QSHQEYLKLK ARVESLQRTQ RNLLGEDLGQ
121 LSTKELEQLE RQLDSSLRQI RSTRTQYMLD QLSDLQRQEH MLCESNKSLR KKSPFMQLEE
181 SNQAWESNAN PLGYGRQQTQ PQVGEFFHPL ACQPTLQMGF QTEQLSGPSA STYTPGWFP
```

>ACB69511.1 SEPALLATA3-like MADS-box protein [SEP3c; from EU424139.1] (234 aa)

```
  1 MGRGRVELKR IENKINRQVT FAKRRNGLLK KAYELSVLCD AEVALIVFSN RGKLYEFCSS
 61 SSMLKTLERY QKSSYGAPDH GVQIRDTQLL QSHQEYLKLK ARVESLQRTQ RNLLGEDLGQ
121 LSTKELEQLE RQLDSSLRQI RSTRTQYMLD QLSDLQRQEH MLCESNKSLR KKLEESNQAW
181 ESNANPLGYG RQQTQPQVGE FFHPLACQPT LQMGFQTEQL SGPSASTYTP GWFP
```

>ACB69510.1 SEPALLATA3-like MADS-box protein [SEP3b; from EU424138.1] (239 aa)

```
  1 MGRGRVELKR IENKINRQVT FAKRRNGLLK KAYELSVLCD AEVALIVFSN RGKLYEFCSS
 61 SSILKTLERY QKCSYGAPDN NVQIRETQLL QSSHQEYLKL KARVEALQRS QRNLLGEDLG
121 PLSSKELEQL ERQLDSSLKQ IRSTRTQCML DQLGDLQRKE HMLCEANRSL RKTLEESNQA
181 NHQQVWESNA NAIAYDRQAN QQREEFYQPL DCQPTLHIGF QGDQMAGPSV TTYMPGWLQ
```

>ACB69509.1 SEPALLATA3-like MADS-box protein [SEP3a; from EU424137.1] (238 aa)

```
  1 MGRGRVELKR IENKINRQVT FAKRRNGLLK KAYELSVLCD AEVALIVFSN RGKLYEFCSS
 61 SSIMKTLERY QKCSYGAPDN IVQIRETQLL QSSHQEYLKL KAHVEALQRS QRNLLGEDLG
121 PLSSKELEQL ERQLDSSLKQ IRSTRTQCML DQLGDLQRKE HMLCEANRSL RKRLEESSQA
181 HQQVWESNAN AIAYARQANQ QEEEFYQPLD CQPTLQIGFQ ADQMAGPSVT NYMPGWLQ
```

>ADK47979.1 NAC-like protein 5 [NAC5; from GQ865604.1] (269 aa)

```
  1 MIAPNLQFPP GFRFHPTDEE LVAHYLCRKC ASLPLAVPII AEIDLYKFDP WELPGLASYG
 61 EKEWYFFSPR DRKYPNGSRP NRAAGSGYWK ATGADKPVGL PKPVAIKKAL VFYAGKAPKG
121 EKSNWIMHEY RLADVDRSAR KKNSLRLDDW VLCRIYKKKG GEPEREPVGS KFLNPNPNPN
181 PSKLEIKSEI FAHVPPPPVT NDMFYFDTSD SLPRLHADSS CSEHVLSSGF TSETREAESQ
241 LRWGVPTAAS DFGFADPFQD IMMYLQKPF
```

>ABU40780.1 NAC-like protein 21 [NAC21; from EF535586.1] (275 aa)

```
  1 MIGANLQFPP GFRFHPTDEE LVAHYLCRKC ASLPLAVPII AEIDLYKFDP WELPGLASYG
 61 EKEWYFFTPR DRKYPNGSRP NRAAGSGYWK ATGADKPVGL PKPVAIKKAL VFYTGKAPKG
121 EKTNWIMHEY RLADVDRSAR KKNSLRLDDW VLCRIYKKKG GEPERKPAGS KFLRTNPNPN
181 PNPHELEIKP EMFAHVPPPG TNDMFYFDTS DSLPRLHAES SCSEHVLSPG FASEAREAES
241 QLRWGVPDNN ADATASDFGF ADPFQDILMY LQKPF
```

>ABU40779.1 NAC-like protein 14 [NAC14; from EF535585.1] (300 aa)

```
  1 MGRRTADAEA NLNLPPGFRF HPTDEELVVH YLCKKIISQR LPAAIIAEVD LYKYYPWQLP
 61 EKALFGHKEW YFLTPRDRKY PNGSRPNRAA GRGYWKATGA DKPIAPKGGS SKPLGIKKAL
121 VFYSGKAPRG TKTDWIMHEY RLADSHRTAS KKGSLRLDDW VLCRLYHKKN SWETKMQQHS
181 SFGETKDSSF EAADDAGSDS FRPDIEHEPY PEFEEDLAKP TVYPPQTSDG MQAARTSNTV
241 KQRVKEDNDW FMDLTLDDLQ SPLEMFGTST ADLDVSNQDY FFQMLNSTQM KTSLTNLPPF
```

>ABU40778.1 NAC-like protein 13 [NAC13; from EF535584.1] (281 aa)

```
  1 MGLRDIESTL PPGFRFYPSD EELVCHYLYK KVANRRSSES TMVEVDLHTR EPWELPEVAK
 61 LTDNEWYFFS FRDRKYATSL RTNRATKTGY WKATGKDRTV YKPKTRSIVG MRKTLVFYSG
121 RAPNGNKTGW VMHEFRLENP YSPPKEDWVL CRVFHKRKGE AVSFSLESSE QDDQKAGTSF
181 SPPPLIEQPI PDGCYGMMGS SFIPHDQEEG NISNNTFLNL AVLKYNFLDF PPEVGTTSMM
241 GGDDEFGFLL DVALDDDGDC HGIMGHGGIS LENGISTTLD H
```

>ABU40777.1 NAC-like protein 11 [NAC11; from EF535583.1] (293 aa)

```
  1 MSVENLQLPA GFRFHPTDEE LVIYYLCRKC AALPLDVPII ADIDLYKFDP WELPSLALYG
 61 EKEWYFFSPR ERKYPNGSRP SRAAGSGYWK ATGADKPVGI PKPLATKKAL VFYVGKAPKG
121 EKTNWIMHEY RLADVDRSAR KKNSLRLDDW VLCRIYKKKG IEPERKPAGS KFLRPNPSLN
181 PYPIPTSSET KPDIFASVPS VRAPGMNGMF YFDTSDSMPR LYADSSCSEH VLSPEFTCDT
241 REAESQPSWG EVEGAHGGPT FKGDATESVS FPTTCNGFAD PFHDIVKYLQ KPF
```

>ABU40776.1 NAC-like protein 7 [NAC7; from EF535582.1] (318 aa)

```
  1 MDDCLDLPPG FRFHPTDEEI ITHYLSPKMV NRSFTARAVG EVDLNKCEPW DLPSKAKMGE
 61 KEWYFFCQRD RKYPTGTRTN RATECGYWKA TGKDKEIFRG KILVGMKKTL VFYGGRAPKG
121 EKTNWVMHEY RIESSSSFPS NLPRPAKEEW VVCRVFHKNN GAKKVSIPST GATGMGSFGD
181 LTDSPRMSLP PLADYSRPGS SNYYLNGVID QGGFEFKGAM NSNFSAMMCM ENDTDFSGMN
241 PIPPLQNPYS VPELAYSHQE DFGCHGAIRQ CKVEQFVTNH SVLGGDTGLS TETSSVISRH
301 DIDVPKSMGL DLENMWKC
```

>ABU40775.1 NAC-like protein 3 [NAC3; from EF535581.1] (318 aa)

```
  1 MDDCLDLPPG FRFHPTDEEI ITHYLSPKMV NRSFTARAVG EVDLNKCEPW DLPSKAKMGE
 61 KEWYFFCQRD RKYPTGTRTN RATECGYWKA TGKDKEIFRG KILVGMKKTL VFYGGRAPKG
121 EKTNWVMHEY RIESNSSFPS NLPRPAKEEW AVCRVFHKNN GAKKVSIPST GATGIGSFGD
181 LTDSPRMSLP PLTDYSRPGS SNYYLNGVID QGGFEFKGAM NSNFSAMMCM ENDTDFSGMN
241 PIPPLQNPYS VPELAYSHQE DFGCHGAIRQ CKVEQFVTNH SVLSGDTGLS TETSSVISRH
301 DIDVPKSMGL DLENMWKC
```

>ABU40774.1 NAP-like protein [NAP; from EF535580.1] (247 aa)

```
  1 MSYELLPPGF RFHPTDEELI VHYLQNQATS RPCPVPIIPE VNIYKFDPWE LPGKSSMSDE
 61 QWYFFTPRDR KYPNGVRPNR ATRSGYWKAT GTDKAIYSGP HLVGIKKALV FYGGRPPRGK
121 KTDWIMHEYR LSCGGGNRYP PNGSMRLDDW VLCRIYKKVH QKKGTNAVAD FVSDDTTNRE
181 LDVCGEEYKS SSPMMPPMLQ RSCSLAGLLE FDDSPFCSLD DLLNSTISIS DDRIRSSIFA
241 DPIFQHC
```