

Supporting Information Notes S2 Verified *M. polymorpha*, *S. pratensis* and *A. agrestis* KNOX plus *S. kraussiana* BELL sequences. Coding sequences are shown in bold typeface; 3'UTR sequences where known are shown in blue and homeodomain sequences in red; start/stop codons where known are underlined; sequences confirmed by PCR and sequencing are highlighted in yellow.

M. polymorpha KNOX

>AXG93_606s1230|MpKNOX1 cDNA

GTACGATGAATTAATAATTCCACTTTTTCTGGACTGTAGCAGTGGTCAGCATTTCAGGCGCT
CGTCCTGGTTGCGAAACTTCAGTATTGCATCTCGTTATAGAATCGAGAGTCCGGGATTG
GAATTGAAACCTACGCATTTGTACGGTTTCCTGGAAAATGCTAGGCAGCAGTTCCTTC
TTTGACTTCAATTTTGATCAGGAAGTTGCCAACCTACATCTCTCCGACTATTGTCAAAC
TGAACCACAAACGCCACTGATAAACACACATACCACGCTATTACACAAGGAAGTAG
TCCTAACTATCAGAGTCAGGTCTCCGTTGATCTTCAAACGGAATCATTGAGCTCTCT
CCTCGAGGTCTCTCCACGATGACTATATCAGAAGACACGGGTTCAGAATACCACGCA
GCCACTACAGAGCCTTTTCTCTACCTGTCAGACTTGGAGACACCACTTCAGAACACAG
CTGATGGTAAACAGGATGTGACCCTCTCGGTTAACCTCACGGCATCTGATACGACAG
TTCGTGCCGAAATTCAGGAAAGTGGAGAAAACCACCATGTAATTCTGGTCATTCTTT
GTTGGACTCAATCTCTTACAATTCTTCGAGAGAAGCTGAAAACGATATAGAGTTTTGG
CTACGTGCATATACAGCTCCAAGCAAAAATCTGCCTTTCGGCTGTGGGGAACCTAAG
AAAACATACCACAAAATAGCAGACGGTAATTGCAACGTAGTCGATCAGAAGCCATGG
GGCCCGCAACTGCTGCAATCATCTGAAGCTCCAAATCACGTCCTATCTCTCGAGACA
AGAAAAGATGGAAATTCGAGTCAAGTAATTCTGGAAGGCCAATCTAACCTTGTGGAA
GTGCAAACTGCGACTCGACGCTCGCCACGTTCACTTGAAGCTCTAAAAGATCTTGGG
ATTTTTATGTTTGGAGAACTGAAGAGCCATGTCCCACCGTTGCAGAGGGTAAACTCA
ACATTGAAAATACAGATACACTTTGGCAGCCTCAGTCTGAACCACACGATGACACTCT
CTTTGGAGAATTGTTTAACTTCGACGATCGCGCAGAGGATGAAGATCACCGTCAATAC
GTTTTGGGATCCATGTTGGAGGAGCTCGAGAAGTTCGTTGACAAATCCGATAATGAAC
TTTGTAGAAGTTCTGAGACAACAAATGAATTAGACCTTCAGTGTCTCATCGTGCATCA
TCCTGACCTCCCTAAGATAATTGTGGCAAGCCTTGCCTGCTATAAGATAAGGGCTGAT
GAAGAGGAGAAAAAGCAGCTGGACGAGGTGGCCAACCTTATCTCTTTCCAAGCTCCCA
GCACAAGACCAGCTTTTGGGGCGTGGATACTCCAGCAAGGGTAAAGACCCACGTCTC
GACTTATGCTTGGATAAGTATCTGAAAGCCCTCGATGAGTTGGAGAAACACATTTCGA
AGCTGGTCACGTCAGCCGACACTCACTGTGTTTCAAGATGAAACAGAACATTCTTATA
GTGTCCAGAACTTGGTGTATGTTTCAAAGCAGAGCGAAAGTGATTCGGTCAGTGGTGG
GCAAAGTGAGCTTTTCACTGAAGAAATGGAGAAGATAATTCAAGACCATGAAAAAGC
AAAAGACAGGCCCCAGCGATCTGCCCTCCCCATGTTGACAGATCAAGAATGGAGAG
GAGCAATCTTAGCTGCATATAATCCAAGTCTTCTCAGGACCTTGAAAACGAGGCATCT
GAAAGAAGGCCGAGAAACCTGAAGCTGCCCGATCCGGCTCGACGTATTTTGCTCAA
TTGGTGGACCGAACATCAGGGGAAGCCTTACCCGTCGGAGGAGAAACAAATTCTGGC
CAAGTGCTCGGGCCTTGAGATTGATCAGATCAATAACTGGTTCATCAATCAGAGGAA
AAGACACTGCTGCTCTGCGTTCTCTGAAAATCACAAGAACCATGCGGCCGACTGTTA
CAAGATGAATGGCCCAAGACGATGATCTCCAGCCCCTTTTCGTTTCGCAGCTAGATTGA
CATGCCTTCAGGAGAATCTATGATGTCGGACTCGATGACTCAAATCACATTTCTGCCAT
GGACGTTTCTCAGAAGACGAGATTTGGAAGCTGTGAGCTGTACGTTGTGAGAACCAAAT
GGAATCTTAACCATGATGTCATATAGAAGTCCAATAACTTTGAGGCCAGGTAGCTCATT
TGAGTTTGTCTGCCAGATACATCCTGCAGATATTATGTCCCTTAGACTACGATTCTGAA
A

>AXG93_3769s1000|MpKNOX2_cDNA_long_version

ATGGATGTGTCTGTGCACAGCGAAATGAGGAGAAGTAGCGGATCTCAATCGCTGAATC
TGTGGCCACCCTCACTGTCAGAAGGTTGTGATCGAGACATCGAGGTCGTGTCGTCTCT
GCGCCCATGTTTCGACAGTAACGCAGACGCCAAGCCGTACCATATCGAGGGAGATCAC
GATCCGCTGCTGGAATCTCAGCCGCGCAATGAAGTCGAGGTAGAACGGTATTCGGGCG
AGGAAGATCACAATCCGCTGCTGGATTTTCATCAGCGGAACCACGAGATTGGGAGTCT
CCTGCTCCATGAGTGCAGAGAGCAACAGACCCGAGGAGCATGGGAGTCCGATGCTGCT
CTGTGCGGAGGGGAGTGAGGTCCAACATTTCTCAGGGATTTGAAGAAATGCAAATC
GACGACAAGGAAGAGGAGCGGGAGCAGACTAGGTTACAGCATAACGCAGCTCGATGGA
GATGGTGATCTGAGAGAAGTGTGAGTCCGCATGATTTTCGAGGGGACGGCGAGCCGG
ATGCAGCTGGAGACCTTCCACCAGCCTTCTATGGTAGTGGGGATGGATCCCACGGAG
AGGAGGCCCTTCAGCTTGTGTATTATGAGAATGGACACGAGTCTCAGAGTGTGATGGAA
TATGCTCACCTGCAGGAGCAAGAATTGGCATTGCACCAATATGCCATCGCGAACCAAG
GTCGAGCTAATCATTCTACGTGCGAGATTGAGAATGAAGATGACACACTACATGAACAT
CTTCCAGAACACTGGACTGGATCTAGTTTGCAGTCTGAGTGGCTGAGACGAAGGGAG
CAGAGTACGGTTCTGAAAATGGGATGTTGTTTAAATCACCTGCATGATCAACAGATGGCA
CTGCAGCAATATGCCATCCAGAATCCAAACGATGTGATTCTTCAGACTCGTGAGGATGA
GAATGAAGGTCACAGATTACATGGAAGTATCCGCGAACACTTTACTGGATCGAGAATGC
ATTCAGAATTCAATGTGCCGGCGGAGAGGAAAGGAAATTTTCAGTGAGCGTCAGGGACT
TTCCACTCAGGTGATGCAAATTGATGATCAAAGGGAATCAGATCTCACTGGCGGGGATA
CCCAAGGCCTGCAGGATATGGGAGGATGGATGGATACGAAGGCCTATCCCTGTGATGA
GCAGTACCATGTAAGCATAGGAACAGGTTTCGTGGGAGATGTGCATGGCCAGGCTGAG
ACTAGCTCTCTTTCAGCGATCGAACGAGAGGTTTCTTTTTCTGCACAATTGGCGGAAGA
TGTGTGCATGAGCTCAGAAGAGGCACAGGCACATCAAGGAGTTTGGAAAGTCTCTTCCTC
CCAGATTTAATCAATTCGGTTCTTGGATGCCAGAGAGGGGAATCTCCAGACAATTTACT
ACAGCACACAGTCAAATGCCTCATCCTACACTGGTGGATCGTCTCCAGTAACAGGGCT
TGTGACACCAAGATCAATTGCAAGTCCCACAAGGATTCCGCAAATGGACGTCAATCAAG
CTTCTCACAACCTGATAATGGGATCTACAATGGCGTCTCAATGGATGGGTGTTTCTTCT
ATACTCCTAACGACTTTGACTATGGGGTGTCTCAGATGAAGCTTACCCAGTCTTCAATC
GAACATGCGGAATGTGGAATGAGTACTCTAAGGAGCCCTTCAGAACTTCCAGTCAAGTGT
AAATTCAGCTGTAGATTTTCAGCAACCAATCTCAAAGTACCCAGATGCCAATTGACTTGAA
AGCAATGCAAACATTTTGCAGCAGGCAACAGATTTCGAAGATTTTGTACCCATACAGGAAG
GTGCGAAGGTGGGTAATATGTATCTACCATCATTTTCAATCACCAGCCATAGTTCCTCATC
TGAATGTCCAGTCAACCGTCAATTGCAGAGTTAGCTCCAGTACCTTTTACCCATGCTCAC
TACTATCTTCTGCACCCATGAATGATGTGCCTCGGTATTTCAACTTAGAACATCCAAAC
CAATTCAGGACATAGGTCAGCTTGCAGATAACCATTCCTTGCAGGATTCGAATTCTGT
TCCAACCTTATTGCAAAATATCAGTGCAGAAACAATTCAAGCAGCAGCCTTGGGCTTAA
ATTGGCCTAGAGGGTCTCCAGTGATTGAGAATGCAAGCGATCAATTCAACTCTTATTCC
CTGCTTCAAGGCTCCGAAACTGTTGGACCTGTTTGGAAATCTTTACCAGTGATGTCAATA
GATAATTCCACGGTTTCTCCAGCTGAACCAACTTGGAACGCGACATATCCCATGGAGC
TCATGTGAATCAGGATCAGGTGCAGTTTCCGCAAACCTTGTGAGTGGATCAGGCAGAAA
GTTATGCTAGATCTGCTCTTGCTTATGGTCAAGAAGCAATCGGAATTAGGGATCTAGGT
AGCCATGATCATAAAAGCACAAACAAAGAGCTACCAAGAGCAGCGACTGGAAATATTCA
AAGCGTTGCGGAACAGCTTGGAGAGCAAGAGTCATTCCAACACACTGGA**ATGGGGAGT**
GTATCCGCCAACGACAGCCATATGGTGCAGGGAGACCATGTGCAGCAAGTGGAGGC
AGGAGCATGGGGAATCATGCCAGTGAGAATGATGGTGTGGTCAGAAGTGAGGAGG
TCAATCAGCTTGGCAGCGGTGTATATGTTAACCAAGAGGAAATGTGTTTGGATGGATA
CCAAAACCATTTGGGGATTTGCAGATACAGGAATTGACTGGCCTGTCAGCAGATGA
AATGAATTATCTGGGGTACTGTGAGAGTCAGATTGAGAGCGTAAGAAACCAGGCAGG
AGACATGCTCATGACTAATCCGGTGGATGGAAAGCAGCCTGAATTATCACAATCCGG
GGAAGGACAGCCAGGAAAAGGGGCTCCAGAGCCTCAGGTCTTATCTCAGGAGATGG
AAAGGTTGTTATCTGACAGAGATCGATTGTCAACGAAGCTCCTTTTCTGGAAGAGGGC

CAGATTCAGGGCTAGACTCATTACCCATCCATTATTTCTCAACTCCTCAAGGCACAT
GTAGACTGCATCCGTGTGATGACTCCAGCATCCAAGATACGTGACATCAATCTGCAG
CTGGTTCAGGCTCAAAGTTTTTCGAATTTTTCTCCCGTTTGCGCCAAATGCCCCA
GCCTGATGATTTTGAATTCGACTACTTCCTGGAAAATTTCTGGTTCGGATGAAACATT
TCCAATCGAAATTGGAGATGCAGCTCAAGGTTACACCACTTTGGCTTACAGCAAATT
ATGGCGCATCGAGCGGGTACTCGTCGACATGACAGGTCAGCGCATTCCCAGTCGGT
GGATGATGGGCCTTATGTCTGACAACCCAGACAATAAAATTGGACTTCGGAAGGC
TGTTGAAAGAGATGTTGCAAGTGTGTAGAAGAACGCTTGCGCGAGGATAATGGCAG
TTCTAGCACTGACGATGACGATCTCAGTACTCAGACCTCGATACTGATATCCAGAAC
GCCGATGACCCTGATCTCCCATGTGCAGACAATCCAAGTGAACAGTATAGCGATGAT
GCTAATGTCGAGTTTATGGATGATCCTAGTCTCCAGAATGCCGGTGGTGCTAATGTCC
AGTATGAGGATGATCCTCGCCTCCAAAACGCCGGTGGtgctattttccagtatgggaatgatcctag
tttcaaagtgccggtgttctgatggcagtatgagcatgatcctagtctccagaatgcagggtgtcctgatgtccagc
atggggatgatcctagtctccagaatgccggtgttctgatgtccagtatgacatgatcctagtctccagaatgccggt
ggtgttattatccagtacgggggtgatcctagtctccagaatgccggtgtgtgatgtccagtatgacatgatcatag
tctacaaaatgccagtggtgtctattgtccagtatgggggtgatcctagtctccagaatgctgggtgtcctgatgtccagta
tgagcatgatcctagtctccagaattccggtgtgtctattatccagtatggggatcgtactagtctcgagaatactggtg
tgctaagtccaatgtggattttccagtcctcagtgctgtgtgtccagttccagtatggggattatcctagtctcc
agaatgccggtgtgtctaattttcaatgctgtgatcctagtctccagtatgctgggtgtgtaacgtccagtatactg
ataatccgaatccagtataccggtgatccgaatgtgcagttgtgatgatgcgaatctccaatgtggcgtgattcta
gctccagtacactggaaatccgaattccagtataccggtgatccgaatgtacagttgtagacgatcatactttccagt
ttggagGTGATTTAATCTCCAGTTCGCTGATGATCAGAATCTCCAGTATACAGGTGATC
CGAATCTACCGTTTGCTGATGACCCGAACGAACAGTATGGGGATGATCCTAATGTCC
AGTATGTCGATGATCCTGATGTCCAGTCTGCTGATGACCCAAATTCTCAGTGTGCTGA
TGATGCTGATGATGTTGAGCATGCTGGTGTCCGATGTCCAGAGCGCAATGGACTC
GGACTATTTTGAACACTACTGTTCCAGATCGTGCTGTCATGGAGAGCATCAGGCGAGA
GTTGATTGCATCACTTGGTTTTGAAAAGTACAAGAAGAAGATCAAAGAAGTGAGAGAT
GAGATTTTGAAGAAACGAAGAGCGGGCAAATTGCCAGACGGAACACACAAATACTC
AAGGCGTGGTGGGATGCTCATTCAAAGTGGCCTTATCCAACGGAAGATGAGAAAGAA
GTTCTTCTCAAACGACGGGATTGGAACGAAACAATCAACAACCTGGTTCATAAATC
AAAGGAAAAGAAATTGGCACAACAATCCACTGTCATCGAGCAATAAGGAGAAGCGG
AAAGTAACTGTGACAGATGTGATGCAAGAGTAGATAACCATCCAGTCACACTAACAGT
TA

>AXG93_3769s1000|MpKNOX2_cDNA_long_version_translation

MGSVSANDSHMVQGDHVQQVEAGAWGIMPSENDGVVRSEEVNQLGSGVYVNQEEMCLD
GYQNHCGDLQIQELTGLSADEMNYLGYCESQIESVRNQAGDMLMTNPVDGKQPELSQSG
EGQPGKGAPEPQVLSQEMERLLSDRDLSTKLLFWKRARFRARLITHPLFPQLLKAHVDCI
RVMT PASKIRDINLQLVQAQKFFEFFLPFAPKCPQPDDFEFDYFLENFLVRMKHFQSKLEMQ
LKVHTTLAYS KLWRIERVLVDMTGQRIPSRLDDGPLMSDNP DNKIGLRKAVERDVASAVEE
RLREDNGSSSTDDDDLSDSLDTDIQNADDPDLPCADNPSEQYSDDANVEFMDDPSLQNA
GGANVQYEDDPRLQNAGGai f q y g n d p s f s a g v p d g y e h d p s l q n a g g p d v q h g d d p s l q n a g g s d v q y d
h d p s l q n a g g g i i q y g g d p s l q n a g g a d v q y d h d s l q n a s g a i v q y g g d p s l q n a g g p d v q y e h d p s l q n s g g a i i q y g d
r t s l e n t g g a n v q y v d f s s l q c a a g a s f q y g d y p s l q n a g g a n f q c v d d p s l q y a g g a n v q y t d n p n i q y t g d p n v q f v d d a n
l q y g g d s s v q y t g n p n f q y t g d p n v q f v d d h t f q g G D F N L Q F A D D Q N L Q Y T G D P N L P F A D D P N E Q Y G D D
P N V Q Y V D D P D V Q S A D D P N S Q C A D D A D D V E H A G D P D V Q S A M D S D Y F G T T V P D R A V M E S I R
R E L I A S L G F E K Y K K K I K E V R D E I L R K R R A G K L P D G T T Q I L K A W W D A H S K W P Y P T E D E K E V L L
K T T G L E L K Q I N N W F I N Q R K R N W H N N P L S S S N K E K R K V T V T D V M Q E

***S. pratensis* KNOX**

>SpKNOX1|cDNA

ATAGGAAGCCTGGATAATATTAGTCGAGTTTCTAATCCAAATAATATCTTGCTGAATTT
AACAGAGGATAAATTC AATGATGCTCTTTTGAGTAATGGCATACTTCTAATCTTCCGC
AAACCATAGATAACTTGAGCCATGACTATAAATTTTCATGAACTCAACAACCTTTTCTTCA
ATCCAACACTTCTGTTTCGATGAATGAGCATACCGCTCAAGACTCTCGGCTTGAATTTT
CATGTCCGACCAGCTTAATGAATGACGAATTGCAAAACGTCGAGCGTGCTCTTTCTTG
TAGAAATGATTCTACGTGTTTCGTCAAGTTTGCAGAATTTAGAGACGGGTTATCTTCCC
AAACTAAGAACGGGTACTTACGCAGCTCAAGAAGAAACCACATTGACTGCTTTTCGAA
AATGGCTTAAATAATGAACCTAATGGTTTGGTTTATAATTTTCGATTACGGAGCTAACCA
AAACATTTATCAAGGTTTCGGCGGAGGTAGAAAACACCGAGGCTTCACATTTAGCAA
CGCTTACCCAACCTGATTTCCACGTTTTTCAAACGTAACCAGACCTCACGTTCCGGGT
GATGGCAATAATGGTTTTGAAAGACCCGAGCCTTTGGCAGCGCAGAAAGTTGATGAA
GATGAAAAGATCAATGCTATCAAAGCTGAAGTTGTTTCTCATCTCTGTTTAATCAGCT
ACTCGAGGCTCATGTGGCGTGTCTTAAGGTTGCAACGCCTCTCGATCAAATCCCCTTG
CTAGACCTCCAATTAGAAAAGAAAAATCTCGTGATTGAAAAATATGAAAAATTTCTCA
AGGACCCGAAGTATGGAAATTTTAAAAACAAAATCGAAGAAACAACCGAGCTTAATT
TTTTTATGACGCATTTCTGTGTTTACTTCAATCTTTCAAAGCCAACTAGAGCAACAT
GTATTGATTCAAGCCAGAGAAGCAGTAATGTCATGTTGGGAATTAGAACAATCCCTCA
TTTCGTTAACAGGTATGGAGCCTCGACCTGGTACAGGATTAACCATGTCTGACGATGA
TGATGACGACTTGGACGACGAGGATACTATTGATTATGATAAGCATGCTTCAGAAACT
CTAACAGACGGAAATCAAGATCCTTATGGACCACTTACACCATCTGAAAACGAACGC
AGCATTATGGAACGTATGAGGACGGAACCTTAAAAACAGTTATCAGATCAAGGCTAT
CGTACCAAATAGCAGACGTGCGTGAGGAAATTATGAGAAAAAGAAGGGCAGGAAA
GTTGCCTAGCGATACGACCCAAATTTTAAAGAGTTGGTGGAAATGCCCACTCAAATG
GCCGTATCCTACAGAAGACGAAAAGACTACTCTGGTTCGGGAAACCGGTTTGGAACT
GAAGCAGATAAACAACCTGGTTTATAAACCAGAGGAAAAGAACTGGCACAACAATAG
CTCGCAGAGCAGGGGTTCAAACGAAAACCTAAAGGATGATAATGCCGGAGGA

>SpKNOX1|translation

IGSLDNISRVSNPNILLNLTEDKFNDAALLSNGIPSNLPQTIDNLSHDYKFHELNNFSSIQHFC
SMNEHTAQDSRLEFSCPTSLMDELQNVERALSCRNDSTCSSSLQNLETGYLPKLRTGT
AAQEETTLTAFENGLNNEPNGLVYNFDYGANQNIYQGSAEVENTEASHLANAYPTDFHVFQ
NVNQTSRSGDGNNGFERPEPLAAQKVDEDEKINAIAEVVSHPLFNQLLEAHVACLKVATP
LDQIPLLDLQLEKKNLVIEKYEKFLKDPKYGNFKNKIEETTELNFFMTHFVCLLQSFKSQLEQ
HVLIQAREAVMSCWELEQSLISLTGMEPRPGTGLTMSDDDDDDLDDEDTIDYDKHASETLT
DGNQDPYGPLTPSENERSIMERMTELKKQLSDQGYRTKIADVREEIMRKRRAGKLPSDTT
QILKSWWWNAHSKWPTYPTTEDEKTTLVRETGLELQINNWFINQRKRNWHNNSSQSRGSKRK
LKDDNAGG

>SpKNOX2|cDNA

TTTTCTTCAAAGCCTAAGCATAATTCATTAATTCGTTAAGATTAATTGCGCCCTTTCA
ATCAAGACAGGACATGGATGAAGTCATTCAGCTTGACTGCTTAGAGAGAACAATAA
TCTTAACGAATTTAATGAATTATGCTTAGGCTTTGAAGAAAACCTATTCTTTTGCTTCA
CATTTGATTGTAATTTTTTTGAAAATCCATTTTCTCTTTCTACCGATCTAAGTGGAAGTC
CTATGGCCGATGATCTTCTGCTATTAGATTACAACCTTTTTTCAATCATCTGAGATTCAA
GGAATAAACATGGAAGAACTTATGAACAATTTTCTTTGATGGAAGAGGATCAAATA
ACGCAAACCAAATAATAATCCAAAATTTTGTGGGTATAAAGAGCAAATTATTTACA
CCCATTGTTTCTGACCTCGTTTCAAATTCATCGAATTACGCAAAGTAGGGGCACCT
GAAGAAAAAATGAAAGAAGTAAAGAAATGAACGTGAAAGTCTTTTAAATTTAATGAATG
GGAAAATGATGATGAATGATCATGATGAAAATTTGGATTCTTTTATGAATGGTTTTTTG

GTTCAATTGTCTGAATCGAAAGTTGAAATTCAAAAATCTTTGACGAGGCTACTAAATT
TTGCTCAGATTTTGAGAAGAATATTTGCCAAAATTTGATGTCAAATAAAGAAAAAGAA
AATGAAGAAGAGGATTTTCAAGACGTAGATCCTACCGCTGAAGACAGGGAATTGAAG
GAGCAGCTGAAAAGAAAGTATAGAGCTTATTTGACGGGTTTAAACAAGAATTCTTAA
AGAAGAGAAAGAAGGGGAAGCTTCCAAAAGAAGCCACCATGATTTTGCATAACTGGT
GGTTTTCTCACTTAAATTGGCCTTATCCGTCCGACGCGGAGAAAACACAGCTAGCGG
AAATGACCCGTCTTGACCCGAAGCAAATTAATAACTGGTTTATAAATCAACGGAAGCG
ACATTGGAACAACGCACCTAACCCGAACCAACTTACGTTA

>SpKNOX2|translation

FSSKPKHNSLNSLRLLIAPFQSRQDMDEVIQLDCLERTNNLNEFNELCLGFEENYSFASPFDC
NFFENPFLSLSTDLSGSPMADLLLLLDYNTFFQSSEIQGINMEETYEQFSLMEEDQNNANQNN
NPKFCGYKEQIISHPLFPDLVSKFIELRKVGAPEEKMKELENERESLLNLMNGKMMMNDHD
ENLDSFMNGFLVQLSESKVEIQKIFDEATKFCSDFEKNICQNLMSNKEKENEEDFQDVPDPT
AEDRELKEQLKRKYRAYLTGLKQEFLLKRRKKGKLPKEATMILHNWWFSLNWPYPSPDAEK
TQLAEMTRLDPKQINNWFINQRKRHWNNAPNPNQLTL

A. agrestis KNOX

>AagKNOX1|cDNA

TCGAGGGCAGTCCTCTGGCAGACCGTGCTGCTGAGAGCAACAGGAGCCTGCTTCAGG
CTGCTTTCCAGCCCGACCCTGCTCAAATGATCAAGCGTCCAACCTGGCTCGCCAATGC
CGTTCTGCGACTGCAGGCACAGCAAGCTTCAGCAGCAGGGAATGGGACAGGAGAAT
CAAATATGGGCTCAAATGGAAGCCAGGAAAATGGAAGCTACGGGGGGCACTGGCTT
TCGATGCCTGTTGCACACTACGAGAATGGGAGCAACGGCAGTGCATCGCCTCCTCAG
GGGGGAGATCTGGTGCAGCAGGGGTTCAAGAACAACCTCTATGTACAATGGATCAAGC
TTGAGGACTCAGTATGACAGTGCTGAGAATGGTTATAGGCAAGGACACGGAGGAGAC
GACAATGGTGTGGAGACAACAGCAGTGAGCCCAACCACGACACAGAGGACCAGGA
GAACTGGGTGTTGGCAAAGAGAAAAGCGGATATTGTAGCGCATCCTCTGTTTCCCGA
GCTTCTGTCTGCTCATGTGCTTGGCTTGGCGCATCGCGACACCTGTGGACCAGCTGGGA
ACCATCGATGCACAGCTGTCGCGAGTCACACCTTGTAAATCAGCAAGTACCAGGCATTG
AGCCTGGAATCACGACCAGAAGACAATCCAGACAAGGAGGAGCTGGAGCAATATAT
GGCAGACAACGTCATGCTGCTCCGTTCTTTCAAGGACCAGCTGCAGCAACACGTTCCG
AGTACATGCCATGGAGGCTGTAATGTCTTGCTACGACCTGGAGAAGCAACTTGAAGA
GCTGACTGGCGTTCGGGCAGGTGAATCTGGACAAACCTCTGGTTACCTGATGTCAGA
TGACGAGGATGACGCACATGGAGATAGTGATTTATCTGCTTATGATCCAGCCTGGAT
GGGGCCGAGAATGGGGGCTTCGGGCCATTGATACCTACTGAAACAGAGCGCACTCT
CATGGAACGCGTGCGGCAGGAGCTTAAGGCAGAGCTCAAACAGGGATACAAAGCCA
AGATCATAGATGTGAGGGAGGAGATACTGCGAAAGCGTCGAGCCGGCAAGCTGCCA
GGTGATACAACTACGGTGCTGAAAACATGGTGGCATGCGCATGCTAAGTGGCCCTAC
CCTACGGAAGACGAGAAGGCACGCCTGGTGCAGGAGACTGGTCTGGAGCTGAAGCA
AATCAACAACCTGGTTCATCAACCAGCGCAAACGCAACTGGCATGCTAATCCTTCTGCT
GCAGCCGCAGCCAAGACTAAACGCAAGAGCTAGGTTTGTGATCTTGTGAAAAGGAT
GCTAGTACTTGTGTTGCAGGTGACAACCTCCTGTACTTCTAGCAACTCATCCAACGACG
GAGCTTGCAGCACTTGAATG

S. kraussiana BELL

>SkBEL1.genomicDNA

TAATAGAATTTGGAAATTAATTAACCGGCAAGAATCTTATAGAAAGTATTTACTATAATAAC
TCTTATCATGCTCCAGTATGGATCTACCCAGGAAGGTAGAACCTGGACGTTAAATTTA

CATCAATCCATCCATCTAATAAAATATTA AAAATATGTCTAGATTGGGGGGAGAAAGAAC
ATGTTCAATGTAATGACAAATGGGAAATGTGGAAGCTGAAAGATATGTTCCAACGAGAG
GAGCAGACAGAAGCAGACATGGATAATGTGAAGCTCATCGAACCCGTAAGAGAGAGAG
AGAGATTTCTTTTATCGTCCACGGGAACCCAACAGGGTTACGGGACACTCATATAATAC
AAAGTATGGGATATGGACATTGGCTTTTGAATCTGTACTGGCGTTTCACAGCTGGATT
AAAAAACCCCCACCCCCCGTAGAGTTAATAGTGAGGGAAAAACCGTGCTTGAAACCTTG
TTGAACCAGACAGGATATAAGTGCTTGTTGTGTACCTTGATTGCCATCATGATGTAAGC
CTAGTACCATATCCCTGTCAGTCAACATTCAACCTCTTCTAGAAGACTGAAGTTCTTGCA
TCTCTCAGATATCGGACTCCGGCTGCTGGAGCTCAAGGTTACGGAAGCTGGAGAAACG
GGGACGAGCTGATGTTNANGNGGGGAAGCGAGCGGGCCAAGAGCTTCGGCAACAATC
AGGAGAGCAGCCcctgagtcgtATAAATGAGNTTGGGNATACGGTATACGCGAAACACCGT
CTTTGGGAGGACAGCAACACCAGCTTCTGCCGGTGGAAAACCTCGCAGGCGGGGTGGAA
CTCCGGGGTACCAATCTCTCTCGCTTACGCTTTCTTCACAGCAGCCTCAAGCCCTACCG
GGTTACGACGTTTTGAGCCAGACGGCCGGGCTCGAAAGTCCGGCGATGTCTCAGGAT
GGAAAGAGGCAGATTAGTGGGAAGCTTAGTGGTGATTAAAGCCACTTTCGACGCGAT
TTTGGGTCCAGCAAGTCGGTTCAAATCGACTCCGGAACGTCGGCTATGTCCGGCAGC
TTCAGCATCATCTCCAGCAGTCGGTATCTCAAGGCATGCCAGCAGCTCCTTGAGGAA
GTCTGTAGTGTTGGACGAGGGACGAAGAATGGGAAGCCGAGGACGGCTGCTGGGCC
TAGTCCGTCCTTGACGAGTCCGACTTCGGGTGGCCGAGATGAGAACTCGTCCGGAGC
CAAAGACAATAGTACAGGCGGTGCTACTACCGCGACCAATGCCGCGACTGCAGCTG
CTACAACCACGAGCGCAGGCCCCCGCAGTTTCTTCTCCGAAAACCAAAGGTCCGACTG
TACTGCACCGGCGACGTGACCTCGGAGCCGGGGGAGTCCGCGAGTACGCTCACC
ACCGAGGAGAGGCAGGAGTTCGAGCTCAAGAAGTCGAAACTCATTGCGATGCTTCAA
GAGGTACGTTTACCATTGCAANGTACATATACGTAGTATACTTAACCTTTTGAATACGT
ATTTTCAGGTTGATAGACGATACAGACAATAACAACGATCAGATGCAAGTTGTGATCAG
CTCGTTCGACGCCGTAGCCGGCACGGGCTCAGCAACTCCGTATACGGCACTGGCTCT
ACAAGCCATGTCTCGCTACTTCAGGTGCCTCAAGGATGCGATCACAGGGCAGATCCA
ACTCGTTTGCAAAGCTCTCGGCGAGGAGGACATCTCGAAGCAGCTCACCACCAAAG
TCCGACTTCGAGACTGCGGTTTCATCGATCAGCAGATTTCGACAGCAGCGAGCTTTCCA
GCAGCTGGGGATGCTCAACCAGCACGCTTGGAGGCCCAACGAGGACTTCCCGAAC
GCTCCGTCTCCATCTTGCGAGCTTGGCTCTTCGAACATTTTCTTCACCCGTGAGTATNT
ATTTATCTTTTAAGTAGTATTTAGAGTAGTATTTATTTTTATAGTGGTTTTTTCGCAGGC
GTTACGTTTCCCTTAGATTTTGAAGCCTGTCATTCTTGCATAATTTGTCTTTACATTGT
TGGCTGCCTAGATTTCTCGCATGATTTTTCGAGCTCAGTTTTTATTGATTTTTTCAAGT
ATCCAAAAGACGCAGACAAGATGATGCTTGCCAGGCAAACCTGGTCTCACGAGAAGCC
AGGTAATGATACGTAACGGCTGTATTTTATACGTATTTTCGTATCTGACGGTGTATTATT
GTACCCAGGTTTCTAACTGGTTCATCAACGCGAGGGTGAGGCTGTGGAAGCCAATG
GTGGAGGAAATGTACCAGGAGGAGACGAGAGATCACGAACTCGATGCAGCGGTTTC
GAGGATGCATGCCGAGAACGAAGAAGCGGCGGCCGAGCTGCAGCCGGTTACCATC
ATCGTGTCGGAGATGCAGCAACCGGTGGTGACAAGTTGGATCAGCAGCAGCAATCC
GGTCTCGGAGACAAGTCCAAAGATCTCGACTACGTGAGAACTCGGACTATCTGAGG
TCCAAGCAGAGCTTGAACCTCATGCATCAGCATCCGGGGGACTCTCAAATGTACGAG
ACGCAGCAGCAGCAGATCAAGAGGTCGAGGTTTGGAGCTCACGAGAATAATGAAAT
GTTGCAGCTTCCATCTTCGAACTCGGCGAGCATGGACGTTGAGATGAAGCCGGACGT
GCTACCGGAAGCTCACCACCATTTGCACCACCACCACTTGCTGCCTCAGGCCCAACA
GCAGCAACAGCACGGGTTTGGGTACGACGGTCTTCGTTTTCAACGCCGGTGCCGGATT
CGGCTACAGCCATCCGGCAGCAACAAGCGGGGGTGTTCGCTCACTCTTGGTTTGCA
GCACAGTGAGAACAACAGTGGATTATCTACCGGAGCTTATAGACAGGCTTTTCTCAA
CACCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
GATTTCAATGATCACTTACACATTTAATAGAAAACCTCCTTGAGTCGTCTATTGATTGAT
TTGTAGATCTGTGGAAGATCGACAAAATGGGATTTCAAGGTCCTATATAGGTGGATTCC
GAGAGGTTATGCCAATACGAGGGCGGTTTCATAATAGGCTTTCATAATTGGAACATGGT

GATGGAGGTACACAAAGAATGACAGGCTTGCAAATCACAATGTAGTAGTTTCCATTAGA
GTAACACATTGTACACATGGTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAA
GTTTTAATTAATATACATTTTCTAATAGAATTTGGAAATCACTTACATTAAGTATTTACTAT
AATAACTCTGGTATTATCATAATGCTCATTATGATAATACCATTACCCTGTTGAAGGTATG
ACCTCGACATAAAAATAAACAAATCTATCTATTAGATTAGATATTTTTAATAAAAATATTTAA
AATACTGCATTATATGTCTAAATTGAAGAGTCTAATAAAACACTGACATTTTTTTCTTGAC
CCAATAAAAACCTTCTTTTTCACTTATATAATTTAATTTATATAATTATATAATAAATTGA
ATTATCTTTTAACTTATACAGGTTATATTTAGAGCCCGNTNCTCAAGCATACGCAAAGA
ATGAAATCACAAAGTACACATAGTGGTTATGTATTAATTAATATACACACTTACTAATAGA
ATTTGGAAATTACTTACCGGCAAGAATCTTATAGAAAGTATTTACTATAATAACTCTTATC
ATGCTCCAGTATGGATCTACCCAGGAAGGTAGAACCTGGACGTTAAATTTACATCAAT
CCATCCATCTAATAAAAATATTAATAAATATGTCTAGATTGGGGGGAGAAAGAACATGTTCA
ATGTAATGACAAATGGGAAATGTGGAAGCTGAAAGATATGTTCCAACGAGAGGAGCAGA
CAGAAGCAGACATGGATAATGTGAAGCTCATCGAACCCGTAAGAGAGAGAGAGAGATT
TCTTTTATCGTCCACGGGAACCAACAGGGTTACGGGACACTCATATAATACAAAGTAT
GGGATATGGACATTGGCTTTTAAAATCTGTACTGGCGGTTACAGCTGGATTAAAAAAC
CCCCACCCCGNAGAGTTAATAGNGAGGGAAAAACCGNGCTTGAACCTTGTTGAA

>SkBEL1.cDNA

ATGTCTCAGGATGGAAAGAGGCAGATTAGTGGGAAGCTTAGTGGTGATTTAAGCCAC
TTTCGACGCGATTTTGGGTCCAGCAAGTCGGTTCAAATCGACTCCGGAACGTCGGCT
ATGTCGGCGAGCTTCAGCATCATCTCCAGCAGTCGGTATCTCAAGGCATGCCAGCAG
CTCCTTGAGGAAGTCTGTAGTGTGGACGAGGGACGAAGAATGGGAAGCCGAGGAC
GGCTGCTGGGCCTAGTCCGTCCTTGACGAGTCCGACTTCGGGTGGCCGAGATGAGAA
CTCGTCCGGAGCCAAAGACAATAGTACAGGCGGTGCTACTACCGCGACCAATGCCG
CGACTGCAGCTGCTACAACCACGAGCGCAGGCCCCCGCAGTTTCTTCTCCGAAAACCA
AAGGTCCGACTGTTACTGCACCGGCGACGTCGACCTCGGAGCCGGGGGAGTCCGCG
AGTACGCTCACCACCGAGGAGAGGCAGGAGTTCGAGCTCAAGAAGTCGAAACTCATT
GCGATGCTTCAAGAGGTACGTTTACCATTGCAAGTACATATACTTAGTATACTTAAGC
TTTTGAATACGTATTTTCAGGTTGATAGACGATACAGACAATACAACGATCAGATGCA
AGTTGTGATCAGCTCGTTCGACGCCGTAGCCGGCACGGGCTCAGCAACTCCGTATAC
GGCACTGGCTCTACAAGCCATGTCTCGCTACTTCAGGTGCCTCAAGGATGCGATCAC
AGGGCAGATCCAACCTCGTTTGCAAAGCTCTCGGCGAGGAGGACATCTCGAAGCAGCT
CACCACAAAAGTCCGACTTCGAGACTGCGGTTTCATCGATCAGCAGATTTCGACAGCA
GCGAGCTTTCAGCAGCTGGGGATGCTCAACCAGCACGCTTGGAGGCCCAACGAG
GACTTCCCGAACGCTCCGTCTCCATCTTGCGAGCTTGGCTCTTTCGAACA**TTTTCTTCA
CCGTATCAAAGACGCAGACAAGATGATGCTTGCCAGGCCAACTGGTCTCACGAGA
AGCCAGGTTTCTAACTGGTTCATCAACGCGAGGGTGAGGCTGTGGAA**GCCAATGGTG
GAGGAAATGTACCAGGAGGAGACGAGAGATCACGAACTCGATGCAGCGGTTTTCGAG
GATGCATGCCGAGAACGAAGAAGCGGCCGCCGACGCTGCAGCCGGTTACCATCATC
GTGTCGGAGATGCAGCAACCGGTGGTGACAAGTTGGATCAGCAGCAGCAATCCGGT
CTCGGAGACAAGTCAAAGATCTCGACTACGTCGAGAACTCGGACTATCTGAGGTCC
AAGCAGAGCTTGAACCTCATGCATCAGCATCCGGGGGACTCTCAAATGTACGAGACG
CAGCAGCAGCAGATCAAGAGGTTCGAGGTTTGGAGCTCACGAGAATAATGAAATGTTG
CAGCTTCCATCTTTCGAACTCGGCGAGCATGGACGTTGAGATGAAGCCGGACGTGCTA
CCGGAAGCTCACCACCATTTGCACCACCACCTTGCTGCCTCAGGCCCAACAGCAG
CAACAGCACGGGTTTGGGTACGACGGTCTTCGTTTCAACGCCGGTGCCGGATTCCGGC
TACAGCCATCCGGCAGCAACAAGCGGGGGTGTTCGCTCACTCTTGGTTTGCAGCAC
AGTGAGAACAACAGTGGATTATCTACCGGAGCTTATAGACAGGCTTTTCTCCAACACC
AACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
CATGA**ATCACTTACACATTTAATAG**AAAAAAAAAAAAAAAAAAGTCGACATCGATACGCGT
GGTCATCTGC

>SkBEL1.protein

MSQDGKRQISGKLSGDLSHFRRDFGSSKSVQIDSGTSAMSASFSSIISSSRYLKACQQLLEEV
CSVGRGRTKNGKPRTAAGPSPSLTSPSTSGGRDENSSGAKDNSTGGATTATNAATAAATTTT
AGPAVSSPKTKGPTVTAPATSTSEPGESASTLTTEERQEFELKKSCLIAMLQEVRLPLQVHIL
SILKLLNTYFQVDRRYRQYNDQMQVVISSFDAVAGTGSATPYTALALQAMSRYFRCLKDAIT
GQIQLVCKALGEEDISKQLTTKSPTSRLRFIDQQIRQQRAFQQLGMLNQHAWRPQRGLPER
SVSILRAWLFEHFLHPYPKDADKMMLARQTGLTRSQVSNWFNARVRLWKPMEEMYQEE
TRDHELDAAVSRMHAENEEAAAAAAGYHHRVGDAAATGGDKLDQQQQSGLGDKSKDLDY
VENS DYLRSKQSLNSMHQHHPGDSQMYETQQQQIKRSRFGAHENNEMLQLPSSNSASMDV
EMKPDVLP EAHHLHLLPQAQQQQHGFYDGLRFNAGAGFGYSHPAATSGGVSLT
LGLQHSENN SGLSTGAYRQAF LQHQQQQQHDYASFENASLIS*

>SkBEL2.genomicDNA

TNNCAANCNAATGTCACNTCAATANAGTCTCNCTCCGNTCNGATCNGTTCGTTATGTNA
NCCNTCGNTGACCACTGGNANTCGAGGCTAGACCGACCGTCTTTTGGAGTANGTGCCC
GAGACAGCCCCAGACACTGACTGCCGAAAGNNTCAAGCNCNTCATGCCACCCCAGAC
ATGNCNGTGTGTCGAGCCCACCACCACCAGGTCACCACCACCATCACCAGATCAC
CAGAGNTACNGTACTACNGTAACATGATGAAGAAAACCCGGTTGGGGGGGATCCACG
ACTCTCTGGGAATGCTGGACGCTGGTGGTAGTACCATGGATGTCATGGAAGTCAAGGA
TGGTGATGGTAGTATGGATGGCAGTAAGTATGGGGCGTATATAACAACATGATCAGCAG
GCTCAGAACTACGGAGTTCATCAGACTACGGTGGATAGCTACGGTAGATACGGCGGTG
CACCGTCGGGTGGTGGAGGGTACGCTACGCAATACCCCGGGGGTAGTGGGGTGTCCC
TCACACTCGGACTACGGCATTGCGATAATCTTCATCTCGCAGCTGCTGCTGGGCCTCAT
CAGTTCTTGCAGCAAGGAGGACAGAACTTTCTGGCCGCTGCCGGACGTGGTGCGATCT
CGGCGTCGGATGGAAGTGAGCTTTGTAACATCTACGGAGCGGCGGGCGGCTGCTGCTG
GTGGCGGTGCTCACATTCACATCGGAGAGCACGATGGTATGGACTACCAAGGCAGGAA
GCAGCAGCATATGGAAGGCCACCTCTTGCATGACTTTGTGGCATGAGAAAAACATGCAT
TTTTCTGCAGCTAGCTTCGTCCATTTTCAGGAGGATGTCACAGCAGAGCTGCAAAACAT
TGGTGGTGGCCTTGATTGAGCTCGCGAAAATTACTTGTATTACTTCAGCAGCAACATTG
GCTGTAAAATCCATACGACTATAACCACGACGGCGTAGTATGCTTGTATGTACACACACC
ACATTGAGAAATGTCGGAAGTTGTTTCATCTGCAAGATGGGAGGAATGCGCCACCGCAG
AAGAACGCTGTTGCAATGTAGCAGATGATGATGACTGTTATGATTAGAAGTATCCTGGA
AATTGTTGCCGTATGTGAGGGGATATACGATGGTTTTTCTACGATTTACTTACACTAG
CTTGCACGTATTCATGCCTTGTGTCCGTGCAATCTTCCGAGCTTGTGCGGAATCTTAA
GGAATTTTCTTGTATGTGTGATGCTTGTCCACCAGGAGCTCTAGCCTATCACCACGTT
CCAAGATCTTGTGATGTTTTGAACCATCACCGCTCGAACCTGACATGTGTA AAAAGCT
ATAGTAAAACCATTGAAAAAACTGGAGCCTTTCTCAACTAAACAATATTGAAAACATG
TAAAATTATGATCCAGGTATGAACTAAANCCATTGAAAGAATGGGAGCCTTTTAACCA
TTCACTATTGAAAACACATAAAATTCNTCTTGAAAATATGGTAGCTCTGAAAACATGA
CATTGTCAAGTTCTTTGCATTCTCAAGTGCTCGAATAAACTTTTACTCTTGAAAACA
TGAGCTATGGAAAAACACCTAAAAACGAGAAGCACTCTTGAAGTGCTCTAAAAACT
TAGCTTTTGGAAAGCTCAACTGTTGAAAACCTAGAGACAATCATGAAAACATGAGTTT
TTTGGAAAGCCTCAAGTGCTTGAAAACACCTAAAATCTAACAACTTACATCCGTGA
TTTCTCCTTTGACACGATTAATGATGTCTGCCTGAGGATCGTTGAGAAAGTGATCCAT
CTTCTGGTGCAAACTCTCGAGTACCTTCAGCTTTGTGTCCGGCAGCCGATACCTTAG
GGCGGCGCAGCAGCTCCTCGACGAGGTCTGCAGTGTCCGACGAGGCCTGAAGGGGT
CCAAGGCTGGTAGGGGCTCGCAAGGTACCGGTGGTAGCCCAACTGCCATTACCAGC
GGTTCTGCACGAAAGGAGGTGACTACTGGTGTAAACCACCGAGAACAACCTCGGTAAA
AGCGAAGTTACCATGGGATCATCGGTGGTGCCTAGTCCCTCCGGACCGTCAGCTGCA
GCAGCTACGTCGAGCGTGGTTGCACCGTCAATACCACCGCCGAGAGCAGGGACAA
CGTCGCGGTATTA ACTCCCGAGGAGAAGCAAGACCACGAAGGGAAGAAAACCAAGC

TTTTGGCTATGCTTCAAGAGGTATGGATTTCGTAGTTGAGCGCTGATGACGACGGGCCA
TTGAGTTTTGTAGTATTTCTCAGGTTCGATCGACGGTATAGGCAATACTACGATCAAAT
GCAGGTGGTCATAACTTCGTTTCGATACGGTAGCTGGTGGTGGAGCTGCTACACCGTAT
ACCGCACTTGCTCTACAAGCAATGTCCCGGTATTTTCAGGTGAGCTTTCATCGTACAAA
TACATGCGAATTTTCGTAGTTTCATACTCTCGGTATATTGATTTTTCTACGGTTTTTTTCAG
GTGTTTTCGAGATGCCATTACCGGGCAAATACAAATAACTTGCAAAGCTCTCGGTGA
GGAGGACGTAACAAAGAGCATCACCAGCCGGCCGCTAACTTCGAGACTACGGTTCAT
CGATCAGCAAATACGGCAGCAACGAGCATAACCAGCAATACGGGATGCTTCAACAACA
TGCCTGGCGGCCGCAACGAGGATTACCCGAGCGTTCGGTCTCTATACTGCGAGCCTG
GCTTTTCGAGCACTTCTTCATCCGTAAGCATATTCGTATATATTCGTATGTATTCATGT
AATATACGGTTGGTTGGTGGTTCAGGTACCCGAAAGATGCCGACAAAATGATGCT
GGCTCGGCAAACCGGTTTTGACACGGAAGTCAAGTAAGTGATTCCATTCCAGCACGTT
ACCACGTTGCTTACCATGGTAACTACCACGGCTCTGCAGGTTTCTAATTGGTTTATAA
ATGCCAGAGTCCGGCTTTGGAAGCCAATGGTAGAGGAGATGTATCAGGAAGAGACTA
AAGAACACGAACTCGGTACTTTCGTCTGTGAGGCTGAGCGTTGACACCGAGGACAAGC
ACCACCAGGACAACATGGACTTGCACGAAAAGCTATCAAAGCACCATCATGACCACC
GCCAGGACATGGCCGGTGTGGTTCGAGCACCACCACCACCAGGGTCCACCACCAC
CATCACCAGATCACCAGAGTTACGGTGACTACGGTAACATGATGAAGAAAACCCGG
TTGGGGGGGATCCGAAGAGGTCTGTGCAAAGCTTTCCAGCGATCTCAGTCACTTTC
GGACCTCGCCCAGGGACACCCTCGCAGGTGAGGGTTTGATTGGTGTTTTTAAGTGGTTA
CGTTGGCTCCAGTGTGGTTTTACTTGTCTGTAGTTTTTGTGTTGTGTTATTGATTT
TTACC

>SkBEL2.cDNA(predicted)

ATGTCTTGTCCACCAGGAGCTCTAGCCTATCACCACGTTCCAAGATCTTGTGCATGTT
TTGAACCATCACCGCTCGAACCTGACATTGATCCATCTTCTGGTGCAAACCTCTCGAG
TACCTTCAGCTTTGTGTCCGGCAGCCGATACCTTAGGGCGGCGCAGCAGCTCCTCGA
CGAGGTCTGCAGTGTCCGACGAGGCCCTGAAGGGGTCCAAGGCTGGTAGGGGCTCGC
AAGCAGCTACGTCGAGCGTGGTTGCACCGTCGAATACCACCGCCGAGAGCAGGGAC
AACGTCGCGGTATTAACCTCCGAGGAGAAGCAAGACCACGAAGGGAAGAAAACCAA
GCTTTTGGCTATGCTTCAAGAGGTTCGATCGACGGTATAGGCAATACTACGATCAAATG
CAGGTGGTCATAACTTCGTTTCGATACGGTAGCTGGTGGTGGAGCTGCTACACCGTATA
CCGCACTTGCTCTACAAGCAATGTCCCGGTATTTTCAGGTGTTTTCGAGATGCCATTAC
CGGGCAAATACAAATAACTTGCAAAGCTCTCGGTGAGGAGGACGTAACAAAGAGCAT
CACCAGCCGGCCGCTAACTTCGAGACTACGGTTCATCGATCAGCAAATACGGCAGCA
ACGAGCATAACCAGCAATACGGGATGCTTCAACAACATGCCTGGCGGCCGCAACGAG
GATTACCCGAGCGTTCGGTCTCTATACTGCGAGCCTGGCTTTTCGAGCACTCCTTCA
TCCGTACCCGAAAGATGCCGACAAAATGATGCTGGCTCGGCAAACCGGTTTTGACACG
GAAGCAGGTTTCTAATTGGTTTATAAATGCCAGAGTCCGGCTTTGGAAGCCAATGGTA
GAGGAGATGTATCAGGAAGAGACTAAAGAACACGAACTCGGTACTTTCGTCTGTGAGG
CTGAGCGTTGACACCGAGGACAAGCACCACCAGGACAACATGGACTTGCACGAAAA
GCTATCAAAGCACCATCATGACCACCACCAGGACATGGCCGGTGTGGTTCGAGCACC
ACCACCACCACCAGGGTCCACCACCACCATCACCAGATCACCAGAGTTACGGTGACT
ACGGTAACATGATGAAGAAAACCCGGTTGGGGGGGATCCGAAGAGGTCTGTGCAA
AGCTTTCCAGCGATCTCAGTCACTTTTCGGACCTCGCCCAGGGACACCCTCGCAGGTG
AGGGTTGATTGGTGTTTTTAAGTGGTTACGTTGGCTCCAGTGTGGTTTTTACTTGTTC
TGTTAGTTTTTGTGTTGTGTTATTGATTTTTACCAAAAAAAAAAAAAAAAAAAA

>SkBEL2.protein(predicted from cDNA)

MSCPPGALAYHHVPRSCRCFEPSPLEPDIDPSSGAKLSSTFSFVSGSRYLRAAQQLLDEV
SVGRGLKGSKAGRGSQAATSSVAPSNTTAE SRDNVAVLTPEEKQDHEGKTKLLAMLQE
VDRRYRQYYDQMQVVITSFDTVAGVGAATPYTALALQAMSRYFRCLRDAITGQIQITCKALG

EEDVTKSITSRPLTSRLRFIDQQIRQQRAYQQYGMLQQHAWRPQRGLPERSVSILRAWLFE
HFLHPYPKDADKMMLARQTGLTRKQVSNWFINARVRLWKPMVEEMYQEETKEHELGTSS
VRLSVDTEDKHHQDNMDLHEKLSKHHHDHRQDMAGVVEHHHHHQGHHHHHQDHQSYG
DYGNNMMKTRLGGIRRGGLCKSFPAISVTFGPRPGTPSQVRV