

IDENTIFICATION

Species: *Sorghum bicolor*

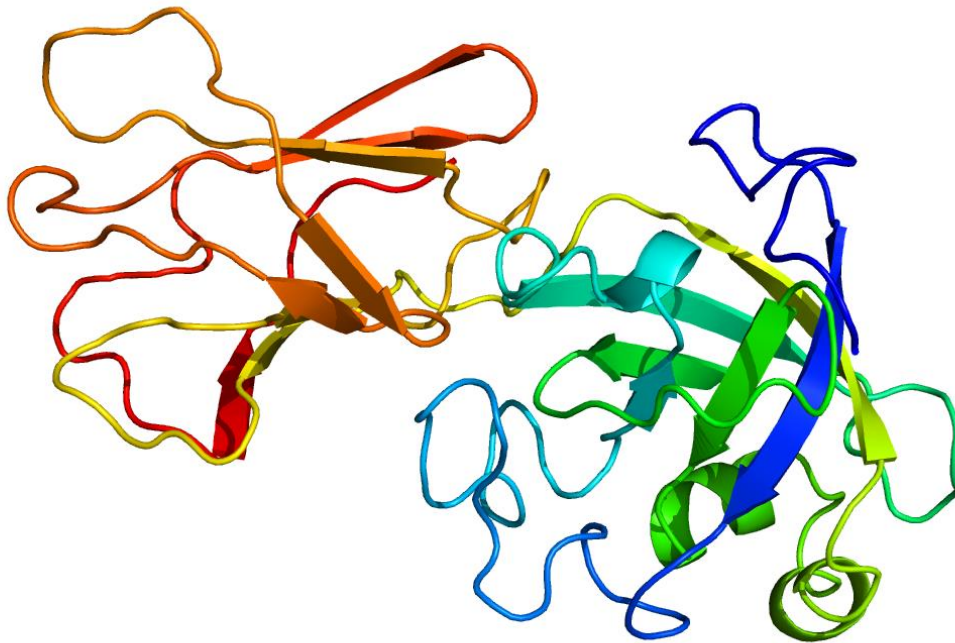
Locus: Sobic.001G306500

Gene Model: Sobic.001G306500.3.p

Description: SbEXPB-17

Family: Beta Expansin

3D structure:



GENOME DATABASES

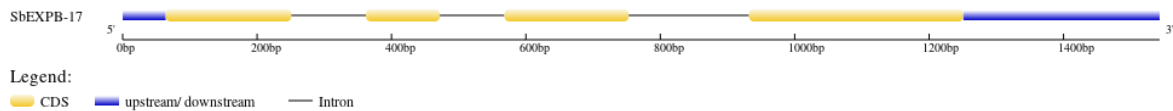
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

KEGG: <https://www.genome.jp/entry/T01086>

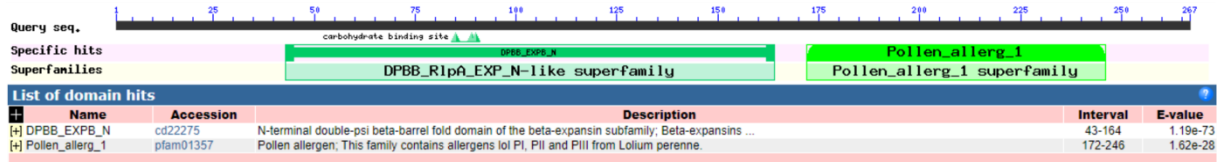
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-17

MGSLANKIVAMAAVLAALVTGGSCAPKKFPPGPNITTNYNQWLSARATWYGQPN
GAGPDDNGGACGIKVNLPYNGFTACGNVPIFKDGKGCSCYEVRCCKEMPECSGN
PITVFITDMNYEPIAPYHFDFSGKAFGLAKPGLNDKLRHCGIMNVEFRRVRCKLGGK
IMFHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPMKQSWGAVVWRFDT
PKPVKGPFSIRLTSSESGKKLVAPNVIPATWKPDTLYNSNIQF*

CDS (coding sequence)

>SbEXPB-17

ATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGGCGGCGCTCG
TCACCGGCGGCTCGTGC GCGCCCAAGAAGTCCC GCCTGGCCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTCTCTGCCAGGGCCACCTGGTACGGCCAGCCCAAC
GGCGCCG GCCCTGACGACAACGGCGGTGCGTGC GGAATCAAGAACGTGAACCTG
CCACCCTACAATGGCTTCACGGCCTGCGGTAACGTCCCCATCTTCAAGGATGGCA
AGGGCTGCGGCTCATGCTACGAGGTGAGATGCAAGGAAATGCCAGAGTGTTCCG
GCAACCCGATCACGGTGTTTCATCACCGACATGAACTATGAGCCCATCGCACCCCTA
CCACTTTGACTTCAGCGGCAAGGCCTTCGGCTCCCTAGCAAAGCCTGGGCTCAAC
GACAAGCTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGC
AAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACC
TGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTCATGGAAC
TCGAGGACAAGGCGTCGCCGGGTTCAAGCCAATGAAGCAATCCTGGGGCGCCG
TGTGGAGTTTGACACACCCAAGCCGGTCAAGGGCCCTTCTCCATCCGCCTCAC
CAGCGAGTCCGGCAAGAAGCTCGTCGCCCCGAACGTCATCCCGGCGACCTGGAA
GCCCGACACCCTCTACAACCTCAACATCCAGTTCTAA

Nucleotide

>SbEXPB-17

AATCACAAACACACAGAGCGACATTCGTTGAATATCACAGTTGAGCGCAAAGAA
GACACCCGCGATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTT
GCGGCGCTCGTACCGGCGGCTCGTGC GCGCCCAAGAAGTCCC GCCTGGCCCCA

ACATCACAACCAACTACAACGGCCAGTGGCTCTCTGCCAGGGCCACCTGGTACGG
CCAGCCCAACGGCGCCGGCCCTGACGACAACGGTATGTAAAGTAGTAGGTTAGG
TTGCCTTGAGATTGGGAATTTTAATTTGGCTGGCAGCCGGTCAGCCGATCGATCG
ATCGATCATGCATGCATGTGTTAATATGATGCAGGCGGTGCGTGCGGAATCAAGA
ACGTGAACCTGCCACCCTACAATGGCTTCACGGCCTGCGGTAACGTCCCCATCTT
CAAGGATGGCAAGGGCTGCGGCTCATGCTACGAGGTATGTACATTATATATATAG
CAACCAAACCAAACAACACATGCATGAGAGAGAGAGAGAGAGATCATCTCGCTA
GGTGATCTTACATACATGCAGGTGAGATGCAAGGAAATGCCAGAGTGTTCCGGGC
AACCCGATCACGGTGTTTCATCACCGACATGAACTATGAGCCCATCGCACCCCTACC
ACTTTGACTTCAGCGGCAAGGCCTTCGGCTCCCTAGCAAAGCCTGGGCTCAACGA
CAAGCTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGTAATGCATATA
TTTTCATGCATGCTATATTGTTGGTCAAGACGATGACGATCTCAGAAAACACTAT
ATATAGCTTCTCCATGATCGATCGATCTGTGTGTATATGCCAATATGCCATGCATG
CACACGATGAAACAGGCAACAAAACCTTACACGCCGTCCCGTCGTCCTACATGCAG
GGTGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAA
CCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGT
GCTCATGGAACCTCGAGGACAAGGCGTCGCCGGGGTTCAAGCCAATGAAGCAATC
CTGGGGCGCCGTGTGGAGGTTTGACACACCCAAGCCGGTCAAGGGCCCCTTCTCC
ATCCGCCTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCCCCGAACGTCATCCCGG
CGACCTGGAAGCCCGACACCCTCTACAACCTCCAACATCCAGTTCTAATAGACTTT
GCATGCCCTTCATCCGGCCTCTTATGCCTCTTATGTTTATTTGCATGAGAGAATGC
ACCGCTAATAAATAGTAGTACTGAGTCTTCTGCATTCTAGCTAGTATGTGATCCCT
GTTGTTGTTCCGGGCTCATGATCGAATTCCAACAGTGGAAAATAAAAGGTTGAAT
ATATGTATCGTCATTGATGGATACTTGAAATGTGCTATTCTTCTAAACTTCAAAC
GTTCCAACATATATAATCTATATATACGGCATCCACAGTTTGGTAACAATTGGCA
ATGGCG