

IDENTIFICATION

Species: *Sorghum bicolor*

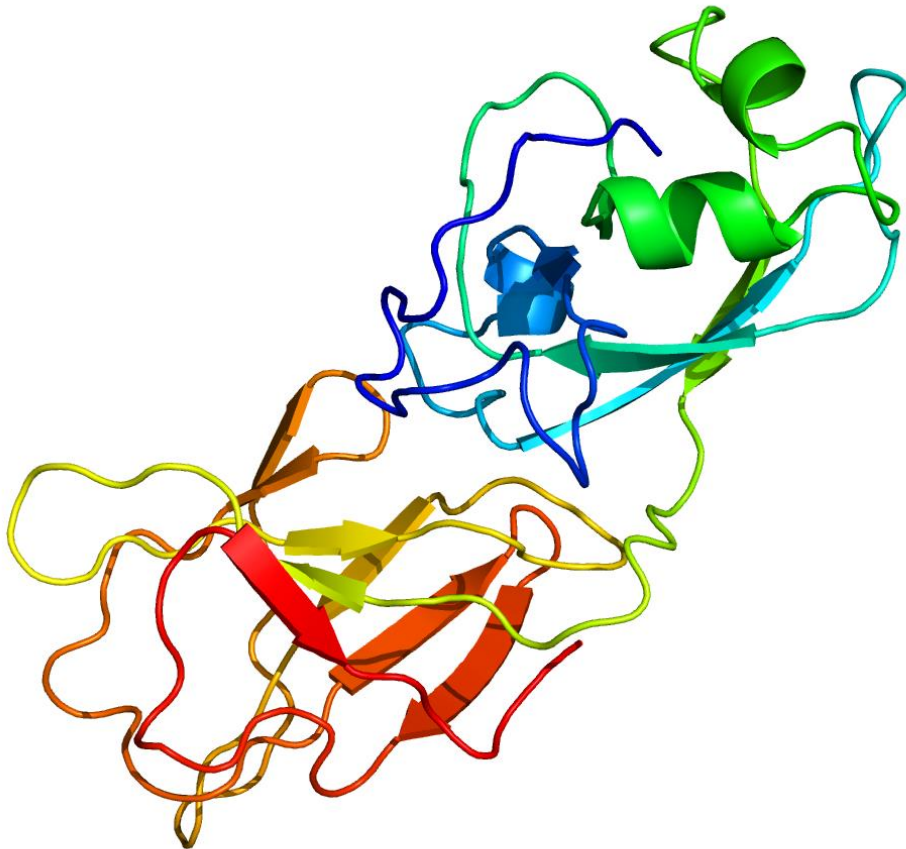
Locus: Sobic.001G539600

Gene Model: Sobic.001G539600.1.p

Description: SbEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

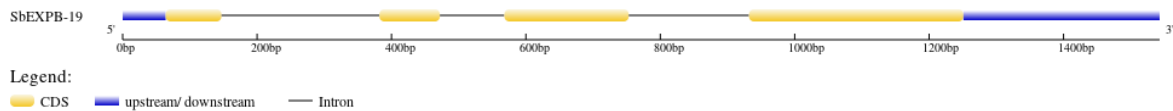
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

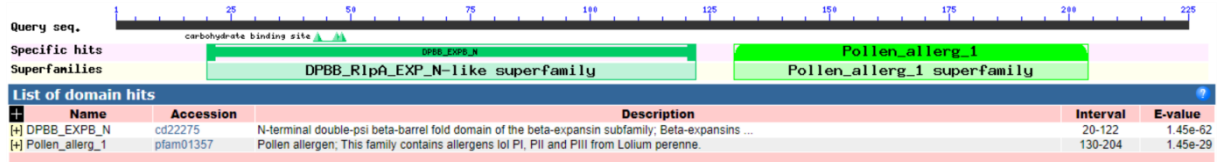
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPB-19

MGSLANKIVAMAAVLAALVTGGACGIKQVNLPPYNGFTACGNVPIFKDGKGCSCY
EVRCKEMPECSGNPITVFITDMNYEPIAPYHFDGSGKAFGSLAKPGLNDKLRHCGIMN
VEFRRVRCKLGGKIMFHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKASPGFKPM
KQSWGAVWRFDTPKPVKGPFSIRLTSSESGKQLVAPNVIPATWKPDLYNSNIQF*

CDS (coding sequence)

>SbEXPB-19

ATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTTGCGGGCGCTCG
TCACCGGCGGTGCGTGCGGAATCAAGAACGTGAACCTGCCACCCTACAATGGCTT
CACGGCCTGCGGTAACGTCCCCATCTTCAAGGATGGCAAGGGCTGCGGCTCATGC
TACGAGGTGAGATGCAAGGAAATGCCAGAGTGTTTCGGGCAACCCGATCACGGTG
TTCATCACCGACATGAACTATGAGCCCATCGCACCCCTACCCTTTGACTTCAGCG
GCAAGGCCTTCGGCTCCCTAGCAAAGCCTGGGCTCAACGACAAGCTCCGCCACTG
CGGCATCATGAACGTGGAGTTCAGGAGGGTGCGGTGCAAGCTTGGGGGCAAGAT
CATGTTCCACGTTGAGAAGGGGTCCAACCCCAACTACCTGGCCGTGCTGGTCAAG
AACGTGGCGGACGACGGCAACATCGTGCTCATGGAACCTCGAGGACAAGGCGTCG
CCGGGGTTCAAGCCAATGAAGCAATCCTGGGGCGCCGTGTGGAGGTTTGACACA
CCCAAGCCGGTCAAGGGCCCCTTCTCCATCCGCTCACCAGCGAGTCCGGCAAGA
AGCTCGTCGCCCCGAACGTCATCCCGGCGACCTGGAAGCCCGACACCCTTACAA
CTCCAACATCCAGTTCTAA

Nucleotide

>SbEXPB-19

AATCACAACACACAGAGCGACATTCGTTGAATATCACAGTTGAGCGCAAAGAA
GACACCCGCGATGGGATCCCTCGCCAACAAAATCGTGGCCATGGCGGCTGTCCTT
GCGGCGCTCGTCACCGGCGGCTCGTGCGCGCCAAGAAGTCCCAGCTGGCCCCA
ACATCACAACCAACTACAACGGCCAGTGGCTCTCTGCCAGGGCCACCTGGTACGG
CCAGCCAACGGCGCCGGCCCTGACGACAACGGTATGTAAAGTAGTAGGTTAGG
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ATCGATCATGCATGCATGTGTTAATATGATGCAGGCGGTGCGTGCGGAATCAAGA
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CAAGGATGGCAAGGGCTGCGGCTCATGCTACGAGGTATGTACATTATATATATAG
CAACCAAACCAAACAACACATGCATGAGAGAGAGAGAGAGATCATCTCGCTA
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AACCCGATCACGGTGTTTCATCACCGACATGAACTATGAGCCCATCGCACCCCTACC
ACTTTGACTTCAGCGGCAAGGCCTTCGGCTCCCTAGCAAAGCCTGGGCTCAACGA
CAAGCTCCGCCACTGCGGCATCATGAACGTGGAGTTCAGGAGGTAAATGCATATA
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CACACGATGAAACAGGCAACAAAACCTTACACGCCGTCCCGTCGTCCTACATGCAG
GGTGCGGTGCAAGCTTGGGGGCAAGATCATGTTCCACGTTGAGAAGGGGTCCAA
CCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGT
GTCATGGAACCTCGAGGACAAGGCGTCGCCGGGGTTCAAGCCAATGAAGCAATC
CTGGGGCGCCGTGTGGAGGTTTGACACACCCAAGCCGGTCAAGGGCCCCTTCTCC
ATCCGCCTCACAGCGAGTCCGGCAAGAAGCTCGTCGCCCCGAACGTCATCCCGG
CGACCTGGAAGCCCGACACCCTCTACAACCTCCAACATCCAGTTCTAATAGACTTT
GCATGCCCTTCATCCGGCCTCTTATGCCTCTTATGTTTATTTGCATGAGAGAATGC
ACCGCTAATAAATAGTAGTACTGAGTCTTCTGCATTCTAGCTAGTATGTGATCCCT
GTTGTTGTTTCGGGCTCATGATCGAATTCCAAACAGTGGAAAATAAAAGGTTGAAT
ATATGTATCGTCATTGATGGATACTTGAAATGTGCTATTCTTCTAAACTTCAAAC
GTTCCAACATATATAATCTATATATACGGCATCCACAGTTTGGTAACAATTGGCA
ATGGCG