

IDENTIFICATION

Species: *Sorghum bicolor*

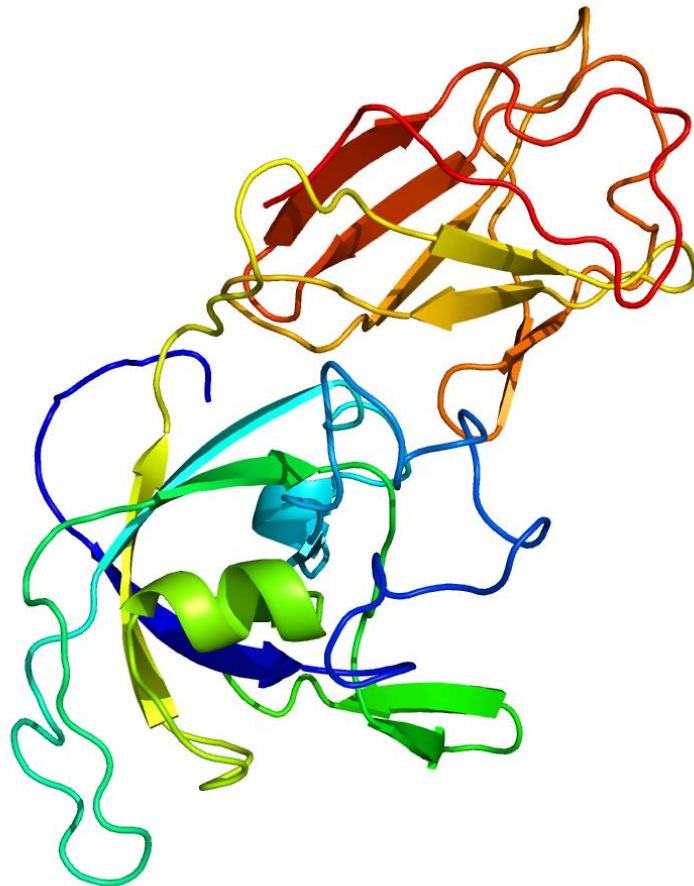
Locus: Sobic.001G155600

Gene Model: Sobic.001G155600.2.p

Description: SbEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

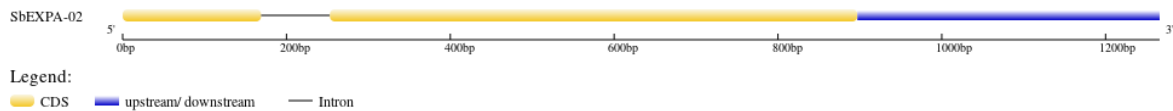
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

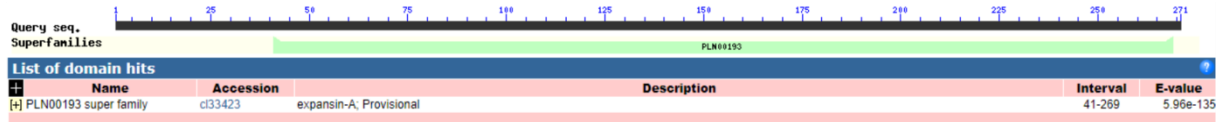
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-02

MARGYAYGYSHIQTAAAALLVGWALAAALPAAAFAPSAWSKGSATFYGGSDASGT
MGGACGYGNLYAQGYGTRTAALSTALFNDGASCGQCYRLVCDASTDPRWCRRGGR
GASVTVTATNFCPPNYALASNGGGWCNPPRQHFDMAQPAWERIGVYQGGIVPVLFR
RVPCRRRGGVRFVTVSGRDYFELVLTNVAGAGAVRAMDVVRGTSSAGWMPMSRNW
GANWQSLAYLNGQGLSFRVTADDGQTVVFADVPPSWTFGQTYASRLQFK*

CDS (coding sequence)

>SbEXPA-02

ATGGCGCGCGGTTACGCTTACGGTTACAGCCACATACAGACCGCCGCAGCCGCGC
TGCTGGTTCGGCTGGGCGCTGGCCGCCGCTTGCCGGCCGCGGCGTTTCGCGCCGTC
CGCCTGGAGCAAGGGCAGCGCCACGTTCTACGGCGGCAGCGACGCGTCCGGCAC
CATGGGCGGCGCGTGC GGTTACGGGAACCTGTACGCGCAGGGGTACGGGACGCG
GACGGCGGCGCTAAGCACGGCGCTGTTCAACGATGGCGCGTTCGTGCGGGCAGTG
CTACAGGCTGGTCTGCGACGCGTCCACGGACCCGCGGTGGTGCCGCCGCGGTGGC
CGGGGCGCGTCCGTGACCGTCACGGCGACCAACTTCTGCCGCCCAACTACGCGC
TCGCTCCAACGGCGGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGC
GCAGCCGGCGTGGGAGCGGATCGGCGTCTACCAGGGCGGGATCGTGCCGGTGCT
GTTCCGCCGCGTGCCTGCAGGCGCCGCGGGCGGGTCCGGTTCACGGTCAGCGGC
AGGGACTACTTCGAGCTCGTGCTCGTCACCAACGTGGCCGGCGCCGGCGCCGTGC
GCGCCATGGACGTCAGGGGCACCAGCTCCGCTGGATGGATGCCCATGTCCAGGA
ACTGGGGCGCCA ACTGGCAGTCCCTGGCGTACCTCAACGGGCAGGGGCTCTCGTT
CCGGGTCACCGCCGACGATGGGCAGACCGTTCGTGTTCCGCCGACGTCGTGCCGCCG
TCGTGGACGTTCCGGGCAGACGTACGCGAGCAGGCTGCAGTTCAAGTAG

Nucleotide

>SbEXPA-02

ATGGCGCGCGGTTACGCTTACGGTTACAGCCACATACAGACCGCCGCAGCCGCGC
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CGCCTGGAGCAAGGGCAGCGCCACGTTCTACGGCGGCAGCGACGCGTCCGGCAC
CATGGGTACGTTTTTATAAATGTAATGTAAAAGGCAGGCTCCATCTCTTTGACGA
CTGACGCACACGCACCGCCGAATAATGCACGCAGGCGGCGCGTGC GGTTACGGG

AACCTGTACGCGCAGGGGTACGGGACGCGGACGGCGGGCGCTAAGCACGGCGCTG
TTCAACGATGGCGCGTTCGTGCGGGCAGTGCTACAGGCTGGTCTGCGACGCGTCCA
CGGACCCGCGGTGGTGCCGCCGCGGTGGCCGGGGCGCGTCCGGTGACCGTCACGG
CGACCAACTTCTGCCCGCCAACTACGCGCTCGCCTCCAACGGCGGGCGGGTGGTG
CAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGGGAGCGGATCGG
CGTCTACCAGGGCGGGATCGTGCCGGTGCTGTTCCGCCGCGTGCCCTGCAGGCGC
CGCGGCGGGGTCCGGTTCACGGTCAGCGGCAGGGACTACTTCGAGCTCGTGCTCG
TCACCAACGTGGCCGGCGCCGGCGCCGTGCGCGCCATGGACGTCAGGGGCACCA
GCTCCGCTGGATGGATGCCCATGTCCAGGAACTGGGGCGCCAACTGGCAGTCCCT
GGCGTACCTCAACGGGCAGGGGCTCTCGTTCGGGGTCACCGCCGACGATGGGCA
GACCGTCGTGTTCCGCCACGTCGTGCCGCCGTCGTGGACGTTCCGGGCAGACGTAC
GCGAGCAGGCTGCAGTTCAAGTAGACCACATGGGCATGGGCTGGGCCGAATTGA
TCGAAGTCGTCGGCCGTGGCGTGCTTTGCTGGTGGGTCTCTGTCACTGTCAGTTTA
GCTGCCCCGCTACGCGTGCTGAGCCCAACCCAGACACTATCTCTGCTTGTAAGT
TGTAATGTCAGCGTTGTCCGCCATTTTTTTTTTGGTCTTCCTTGTGTGTATTGATGAT
GATGATGCGTGTCAGTGTTAATGAACTTTTGGTAATCTATAATTAAGGATATAAG
TGTTTGTGGCATGGAACCATATCTGAAAACATTGGTTTTACAATTACAAGGAAGA
GAAGGCAGGAAATGAACCTACCCTAGTTGTTTCAGAGTTCAGACCACCCAATGTCA
AGGACT