

IDENTIFICATION

Species: *Sorghum bicolor*

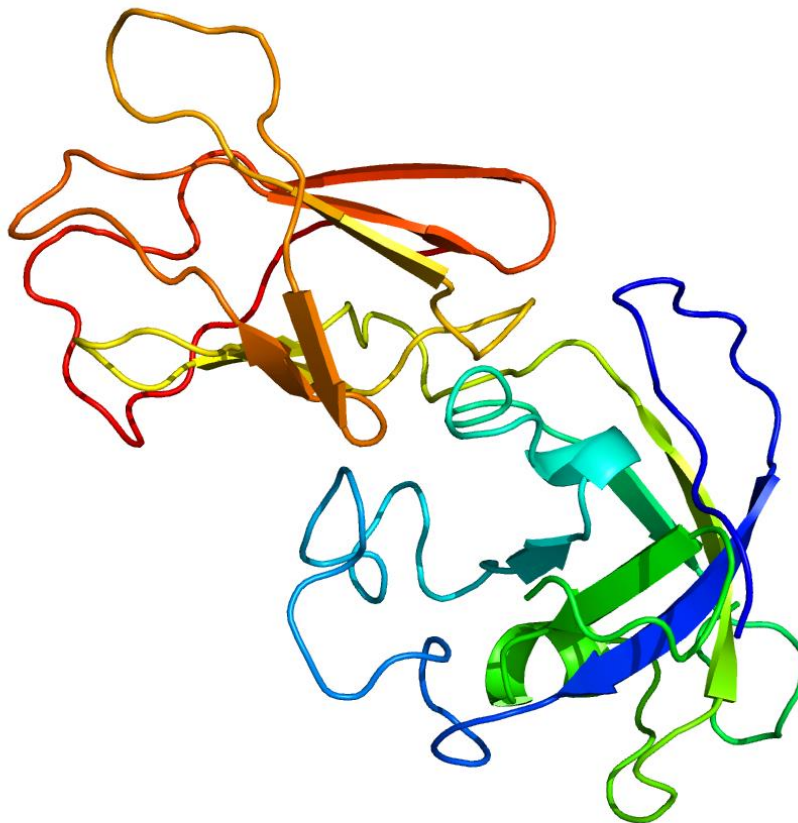
Locus: Sobic.004G120000

Gene Model: Sobic.004G120000.1.p

Description: SbEXPA-24

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>

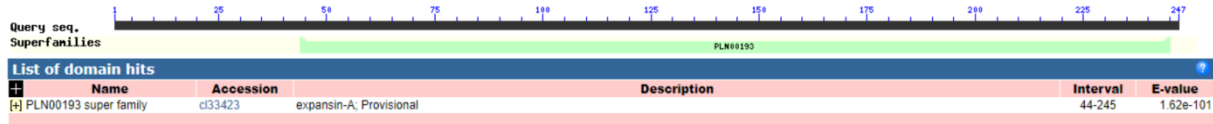
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-24

MGMAPARVLGFVSLAVACMLAIMAAAGDAAATSTPSSPTPTTRWLKAHATFYGGA
DASDTMGGACGYGNLYSQYGTTRTAALSTTLFQDGASCGQCYRIACDRKRADSSAA
QRRQRPHFDMAQPAFEKTGVYTTGGIIPVMYKRVPCVKRDGVRFTINGHDYFNLVLV
TNVAGAGSIKSMDVKTSNSNSWIPMARNWGANWHS LAHLTGQMLSFRVTDTDGQT
IEFTNVVPQGWKFGQTFASKLQFK*

CDS (coding sequence)

>SbEXPA-24

ATGGGTATGGCTCCAGCTAGAGTTCTTGGATTTCGTGTCGCTCGCAGTAGCCTGCA
TGCTGGCTATCATGGCCGCCGCTGGTGACGCCGCCGCCACCAGCACTCCGTCGTC
TCCGACGCCGACCACCAGATGGCTGAAGGCGCATGCCACGTTCTACGGAGGCGC
CGATGCCTCTGACACCATGGGCGGCGCGTGC GGGTACGGCAACCTCTACTCCCAG
GGCTACGGCACGCGGACAGCGGCCCTGAGCACGACTCTATTTTCAGGATGGGGCCT
CATGTGGCCAGTGCTATAGGATCGCGTGCGACCGCAAGAGAGCCGACTCCAGCG
CTGCCAACGGCGGCAGCGCCCGCACTTCGACATGGCGCAGCCAGCATTGAAA
AGACTGGCGTCTACACCGGCGGCATCATCCCCGTCATGTACAAGAGGGTTCCCTG
TGTGAAGCGAGATGGAGTGCGGTTCAACAATCAACGGTCACGACTACTTCAATCTC
GTGCTTGTGACCAATGTTGCAGGTGCTGGCTCCATCAAGTCAATGGATGTCAAGA
CCTCCAACCTCAATAGTTGGATACCAATGGCACGCAACTGGGGTGCGAACTGGCA
CTCTCTTGCGCACCTTACTGGACAGATGCTCTCATTTAGAGTAACAGATACGGAT
GGACAAACTATTGAATTCACAAATGTTGTGCCACAAGGATGGAAGTTTGCCAAA
CGTTTGCATCCAAGTTACAGTTCAAGTGA

Nucleotide

>SbEXPA-24

ATGGGTATGGCTCCAGCTAGAGTTCTTGGATTTCGTGTCGCTCGCAGTAGCCTGCA
TGCTGGCTATCATGGCCGCCGCTGGTGACGCCGCCGCCACCAGCACTCCGTCGTC
TCCGACGCCGACCACCAGATGGCTGAAGGCGCATGCCACGTTCTACGGAGGCGC
CGATGCCTCTGACACCATGGGTAAGCTAAGTCGCTCTCTGTATTTTGCTTGCA
TGGTTTGTACCTAAAGCTAGCACAGGCAGAGCTAACTGCATCAAATTGTATTTT
TTGGCAGGCGGCGCGTGC GGGTACGGCAACCTCTACTCCCAGGGCTACGGCACGC

GGACAGCGGCCCTGAGCACGACTCTATTTTCAGGATGGGGCCTCATGTGGCCAGTG
CTATAGGATCGCGTGCGACCGCAAGAGAGCCGACTCCAGGTTCTGCAAGCCCGG
CGTCACAGTCACCGTCACGGCCACCAACTTCTGCCCCGCCAACTCAGCGCTGCC
AACGGCGGCAGCGCCCGCACTTCGACATGGCGCAGCCAGCATTGAAAAGACTG
GCGTCTACACCGGCGGCATCATCCCCGTCATGTACAAGAGGTAGATTTGATGAGT
AATTGCCGATTAAGTGTGTAGTCTCTGCTGCTCTGATGACAAAATTAAGCATGAT
GCATGCAATATCTTATCTTGAGTAAAGTAAAAATATGCATGCTTTAATTTGCAGG
GTTCCCTTGTGTGAAGCGAGATGGAGTGCGGTTCACAATCAACGGTCACGACTACT
TCAATCTCGTGCTTGTGACCAATGTTGCAGGTGCTGGCTCCATCAAGTCAATGGA
TGTCAAGACCTCCAACCTCCAATAGTTGGATACCAATGGCACGCAACTGGGGTGCG
AACTGGCACTCTCTTGCGCACCTTACTGGACAGATGCTCTCATTTAGAGTAACAG
ATACGGATGGACAACTATTGAATTCACAAATGTTGTGCCACAAGGATGGAAGTT
TGGCCAAACGTTTGCATCCAAGTTACAGTTCAAGTGA