

IDENTIFICATION

Species: *Sorghum bicolor*

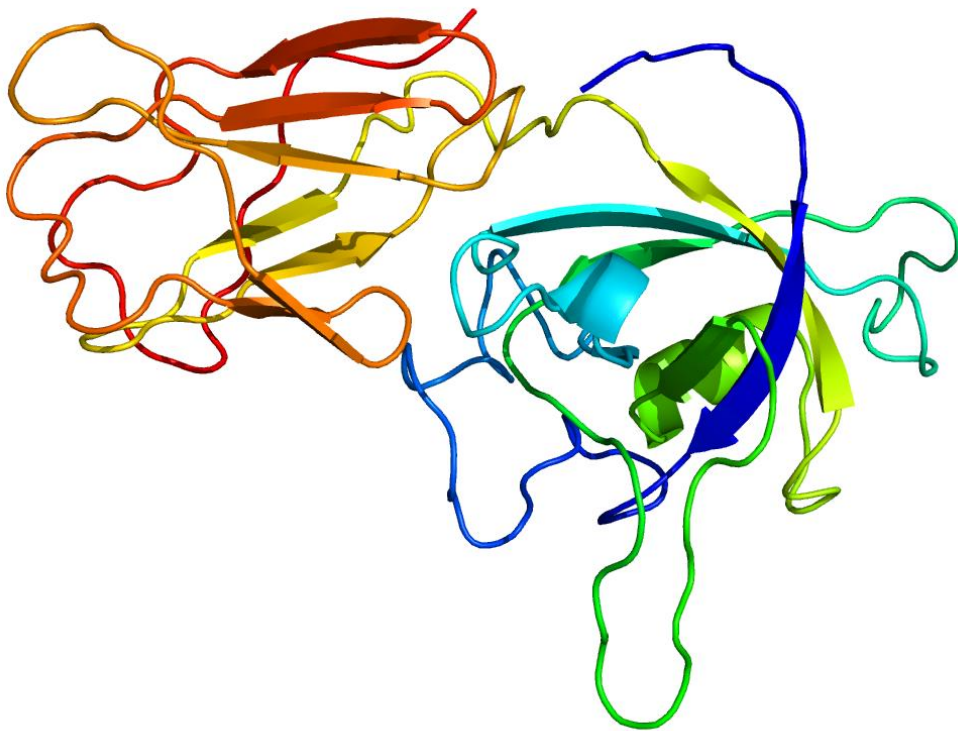
Locus: Sobic.001G238300

Gene Model: Sobic.001G238300.1.p

Description: SbEXPA-08

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>

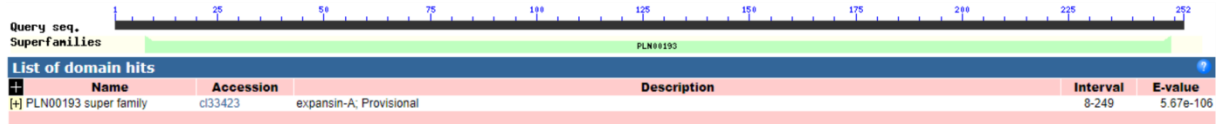
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-08

MKINKSLVLCLSFSACLALAAAGWSPGTATFYGGADGSGTMGGACGYDNLNAGY
GVNNAALSSTLFNDGASCGQCYLITCDASRPGGQWCKPGNSITVSATNLCPANYALP
NGGWCGPGRPHFDMSQPAWERIGIYSAGVIPVLYQQVKCSRTGGVRFGIAGSQYFLL
VNIQNLGGSGSVGAAWVKGDRTGWIQMSRNWGANWQALAGLVGQGLSFAVTTTG
GQYIQFVNVPVPRWWQFGQTYTTTQNFYY*

CDS (coding sequence)

>SbEXPA-08

ATGAAAATCAACAAGTCCCTAGTTTTGTGCCTATCCTTCTCGGCGTGCCTAGCCCT
CGCCGCCGCAGGCTGGTCTCCCGGCACCGCCACGTTCTACGGCGGAGCCGACGGC
TCTGGCACCATGGGTGGTGCCTGCGGGTACGACAACCTGTACAACGCCGGGTACG
GCGTGAACAATGCGGCGCTGAGCTCGACGCTGTTCAACGACGGCGCGCTCGTGCG
GGCAGTGCTACCTCATCACCTGCGACGCGTCCGGGCGGGCAGTGGTGCAA
GCCGGGCAACTCCATCACGGTGTCCGCCACCAACCTGTGCCCGGCCAACTACGCG
CTCCCCAACGGCGGGTGGTGC GGCCCGGGCGCCCCACTTCGACATGTCGCAGC
CGGCGTGGGAGCGCATCGGCATCTACAGCGCCGGCGTCATCCCGGTCCTGTACCA
GCAGGTCAAGTGCTCGCGCACCGGCGGCGTGCCTTCGGCATCGCCGGCTCCCAG
TATTCCTGCTCGTCAACATCCAGAACCTCGGAGGCAGTGGCTCCGTGGGCGCCG
CCTGGGTGAAGGGCGACAGGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCG
CCA ACTGGCAGGCGCTCGCCGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTTAC
CACTACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTGCCTAGGTGGTGGCAG
TTCGGACAGACCTACACCACAACCCAGAATTTCTACTACTAA

Nucleotide

>SbEXPA-08

AAGAAGTCCAGAACACGTATACGGTTGATCGTCTCTCCATTGCCAAATCCACTTC
GATCGTAGTAGTCATGAAAATCAACAAGTCCCTAGTTTTGTGCCTATCCTTCTCGG
CGTGCCTAGCCCTCGCCGCCGCAGGCTGGTCTCCCGGCACCGCCACGTTCTACGG
CGGAGCCGACGGCTCTGGCACCATGGGTAAGCAAGCAGCTCTTAATAATTACACA
CACATTGCATCCATTTTTGCGCAAGAGCTACGCACATTTTGCTAACTGCGCGCCCA
TGCACTTATTGCCAATGCAGGTGGTGCCTGCGGGTACGACAACCTGTACAACGCC

GGGTACGGCGTGAACAATGCGGGCGCTGAGCTCGACGCTGTTCAACGACGGCGCG
TCGTGCGGGCAGTGCTACCTCATCACCTGCGACGCGTCGCGTCCGGGGCGGGCAGT
GGTGCAAGCCGGGCAACTCCATCACGGTGTCCGCCACCAACCTGTGCCCGGCCAA
CTACGCGCTCCCAACGGCGGGTGGTGCGGCCCCGGGGCGCCCCACTTCGACATG
TCGCAGCCGGCGTGAGGAGCGCATCGGCATCTACAGCGCCGGCGTCATCCCGGTCC
TGTACCAGCAGGTCAAGTGCTCGCGCACCGGCGGGCGTGCGCTTCGGCATCGCCGG
CTCCCAGTATTTCTGCTCGTCAACATCCAGAACCTCGGAGGCAGTGGCTCCGTG
GGCGCCGCCTGGGTGAAGGGCGACAGGACGGGGTGGATCCAGATGTCCAGGAAC
TGGGGCGCCAACTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGGCTCAGCTTCG
CCGTTACCACTACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTGCCTAGGTG
GTGGCAGTTCGGACAGACCTACACCACAACCCAGAATTTCTACTACTAAAACCTG
CAATCAGCGCTAGCAGAGTTCTTGGATCGATCTTCTGTGCTATTTCTTGTGGTT
CGGTCAAATCGTAAGGGTGGGAGCCTGGGAGGTCTCTTTTGTTCACGACTGT
GCCTAATGGACACTATTTCAATGAGAAGTATATATAGAAGGGTGGGAGGTCCTCG
TGGCCTGCTCTCTTAATTTCTTTCAACTTTGTAGATATATTTCTGAATTTTAGATA
TTTCTTTCAACGTTTGTAGATATATACTTACTATATACACTATACATGTATATGAT
TTC