

IDENTIFICATION

Species: *Sorghum bicolor*

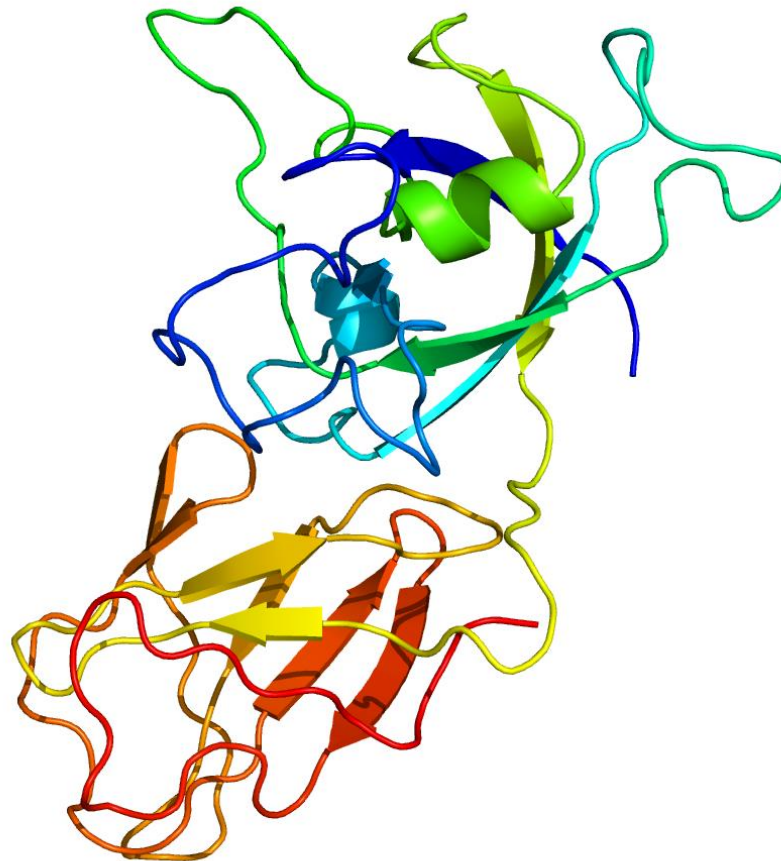
Locus: Sobic.001G238400

Gene Model: Sobic.001G238400.1.p

Description: SbEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

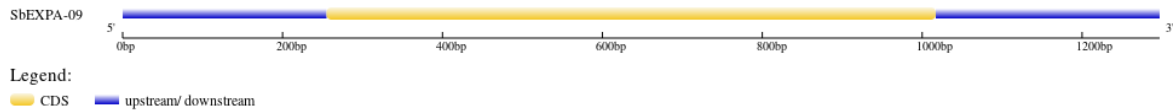
Phytozome: https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1

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

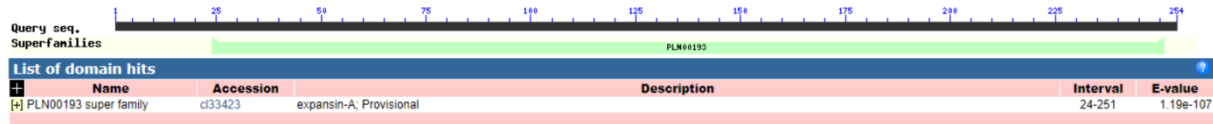
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-09

MAPRTMMLALWGVLAASTVVAGVAGWSPGTATFYGGSDGSGTMGGACGYGNLYS
 AGYGVNNAALSQTLFNDGASCGQCYTITCDGSRSGSQYCKPGNTVTVTATNLCPPN
 YGLPNGGWCGPGRPHFDMSQPSWEKIGVVQGGIIPVLYQQVKCSRSGGVRFNIAGSS
 YFLLVNIQNLGGSGSVGAAWVKGTNTGWIQMSRNWGANWQALSGLTGQALSFAVT
 TTGGQYIQFLNVAPTWWQFGQTYSTNQQFY*

CDS (coding sequence)

>SbEXPA-09

ATGGCGCCGAGGACGATGATGTTGGCGCTGTGGGGTGTCTTTCGCGCGTCCACCG
 TCGTGGCCGGTGTGGCGGGCTGGTCGCCGGGCACGGCGACCTTCTATGGCGGGTC
 CGACGGGTCCGGGACCATGGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCGC
 CGGGTACGGCGTTAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGC
 GTCGTGCGGGCAGTGCTACACCATCACGTGCGACGGGTCACGATCGGGCAGCCA
 GTACTGCAAGCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCACCC
 AACTACGGGCTCCCCAACGGCGGGTGGTGCGGCCCCGGGACGCCCGCACTTCGAC
 ATGTCGACGCCGTCATGGGAGAAGATCGGGCGTCGTCCAGGGCGGCATCATCCCG
 GTGCTGTACCAGCAGGTCAAGTGCTCGCGGAGCGGCGGCGTGCCTTCAACATCG
 CCGGCTCCAGTACTTCTGCTCGTCAACATCCAGAACCTGGGCGGCAGCGGCTC
 AGTGGGAGCCGCTTGGGTCAAGGGCACCAACACCGGGTGGATCCAGATGTCTAG
 GAACTGGGGCGTAATTGGCAGGCCCTCTCGGGGCTCACCGGCCAGGCGCTCAGC
 TTCGCCGTCACTACCACCGGCGGGCAGTACATACAGTTCTTGAACGTGGCGCCGA
 CGTGGTGGCAGTTCGGACAGACCTACTCTACCAACCAGCAGTTTTACTACTGA

Nucleotide

>SbEXPA-09

ATGCACGATCGACACCACGCCGACATTATCGCCGGTCATCTTCCCACTTCAGTTTC
 AAGTTTCAGCTCCATCTCCCCTCAACCTCAATCTCCTTGCCTACTTGCTCCTCCTAT
 TTAAGCACTGAACCTAGCAAAGGAGATCATCCACCACACCACAGTTGCAACT
 CACAACCTCCAGATCACACGACAAGACAAATCTGCTCCTTTTTTCTGATTATTCCGT
 GCTCGTACTCGTAGCAAAGCTGGTCCCAGTCATGGCGCCGAGGACGATGATGTTG
 GCGCTGTGGGGTGTCTTTCGCGGCGTCCACCGTCGTGGCCGGTGTGGCGGGCTGGT
 CGCCGGGCACGGCGACCTTCTATGGCGGGTCCGACGGGTCCGGGACCATGGGCG

GCGCGTGCGGGTACGGCAACCTGTACAGCGCCGGGTACGGCGTTAACAACGCGG
CGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACACCAT
CACGTGCGACGGGTCACGATCGGGCAGCCAGTACTGCAAGCCCGGCAACACCGT
CACCGTCACGGCCACCAACCTGTGCCCACCAACTACGGGCTCCCCAACGGCGGG
TGGTGCGGCCCCGGGACGCCCCGCACTTCGACATGTCGCAGCCGTCATGGGAGAAG
ATCGGCGTCGTCCAGGGCGGCATCATCCCGGTGCTGTACCAGCAGGTCAAGTGCT
CGCGGAGCGGGCGGCGTTCGCTTCAACATCGCCGGCTCCAGCTACTTCCTGCTCGT
CAACATCCAGAACCTGGGCGGCAGCGGCTCAGTGGGAGCCGCTTGGGTCAAGGG
CACCAACACCGGGTGGATCCAGATGTCTAGGAACTGGGGCGCTAATTGGCAGGC
CCTCTCGGGGCTCACCGGCCAGGCGCTCAGCTTCGCCGTCCTACCACCGGCGGG
CAGTACATAACAGTTCCTGAACGTGGCGCCGACGTGGTGGCAGTTCGGACAGACCT
ACTCTACCAACCAGCAGTTTTACTACTGACGATGCGTCCATCGATCGGGACGAAG
CTTTCGAATTCTTATCTGTTTGTTGAGTTGATCTTCCTAGTTTTGTTTCGTATATATG
GCGAGGGCCGACGTGCTGTCTCGTGGTTGTGGCGGAGTTTCAGCGCCCGACGAAC
CGTGGCCGTGGCATGCTTGCTGTTTCATAGCGCTCATTGTCTGCGTCCTTCAGTCTT
TACCATATATTGGCATAATTACATCATTTACACATATAACAGAATTGTTAACACC
AGTTCAATCAATATGCAAGTTACATTACCA