

IDENTIFICATION

Species: *Sorghum bicolor*

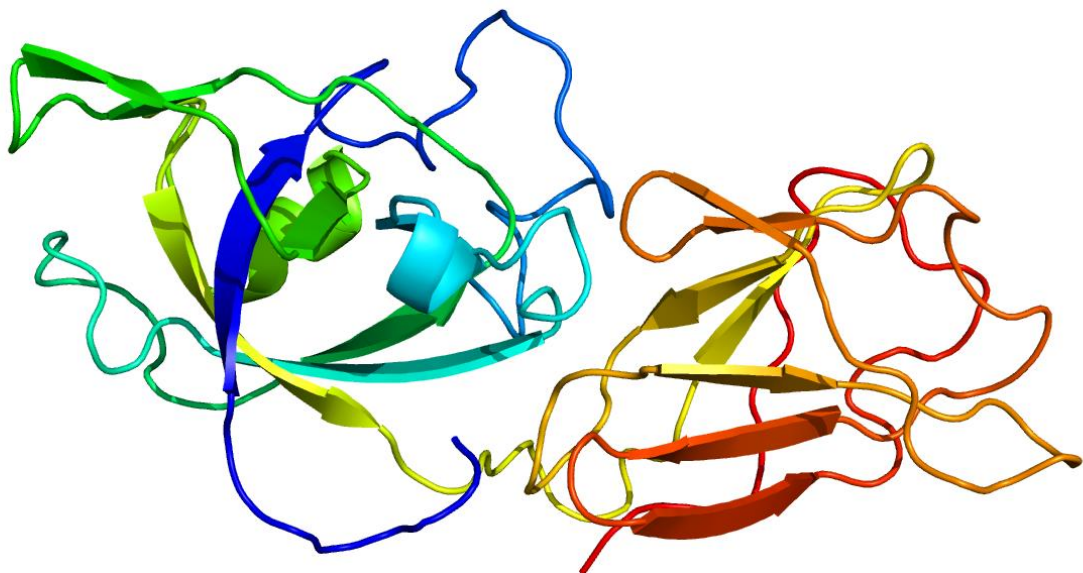
Locus: Sobic.003G112100

Gene Model: Sobic.003G112100.1.p

Description: SbEXPA-17

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>

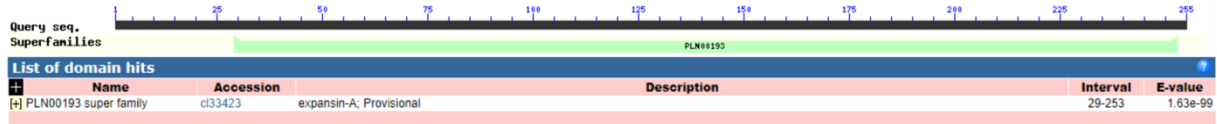
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-17

MEMAMLLLYLLSLCASRLGGAVAQQYQYWTPATATFYGGSDASGTMGGSCGYGD
LYSAGYGTQTTALSTALYGDGASCGACYLVTCDATGTQYCKPGSPSVTVTATNFCPP
NYDDANGWCNSPRRHFDMSQPAWETIGVYQAGVIPVNYRRVSCQRSGGIRFAISGH
DYFDLVTITNVGGAGAVAAAWIMGTGGTDWLAMSRNWGENWQSGANLTGKALSF
KVQTDDGKVVVADNVAPANWQFGSTYQASVNFY*

CDS (coding sequence)

>SbEXPA-17

ATGGAATGGCAATGCTGCTCTTGTACTTGCTGAGCTTGTGCGCCTCTCGTCTCGG
CGGCGCAGTGGCGCAGCAGTATCAGTACTGGACGCCGGCCACCGCGACGTTCTAC
GGCGGGAGCGACGCGTCCGGCACCATGGGCGGATCGTGCGGGTACGGCGACCTG
TACAGCGCCGGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGC
GACGGCGCCTCCTGCGGCGCGTGCTACCTCGTCACCTGCGACGCGACGGGGACGC
AGTACTGCAAGCCGGGGTTCGCCGTCGGTCACCGTCACGGCCACCAACTTCTGCCC
GCCCAACTACGACGACGCCAACGGGTGGTGCAACTCGCCGCGGCGGCACTTCGA
CATGTTCGACCCGGCCTGGGAGACCATCGGCGTGTACCAGGCCGGCGTAATACCC
GTCAACTACCGGAGGGTATCGTGCCAGAGGTCCGGCGGGATCAGGTTCCGCATCA
GCGGGCACGACTACTTCGACCTTGTACCATCACCAACGTCGGCGGGCGCCGGCGC
GGTGGCCGCGGCGTGGATCATGGGCACCGGCGGCACGACTGGCTGGCCATGAG
CCGCAACTGGGGGGAGAAGTGGCAGAGCGGAGCCAACCTCACCGGGAAGGCCCT
GTCGTTCAAGGTGCAGACGGACGACGGCAAGGTCGTCGTTGGCGGATAACGTGGC
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Nucleotide

>SbEXPA-17

CAGTCGCAACACATTGCAATTTGCAAGTGATCTGGCTTGGCCCTGCCAGTCAGCC
TCCTAGTGAGAGACGATGGAAATGGCAATGCTGCTCTTGTACTTGTGAGCTTGT
GCGCCTCTCGTCTCGGCGGGCGCAGTGGCGCAGCAGTATCAGTACTGGACGCCGGC
CACCGCGACGTTCTACGGCGGGAGCGACGCGTCCGGCACCATGGGTAACACTCTC
ACTGAGGCCTGACCCATTTTCTTGGCAATGCATGCAACTCTGATCCACGCCGGCG
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GTCGTGGCGGATAACGTGGCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAG
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CATT