

IDENTIFICATION

Species: *Sorghum bicolor*

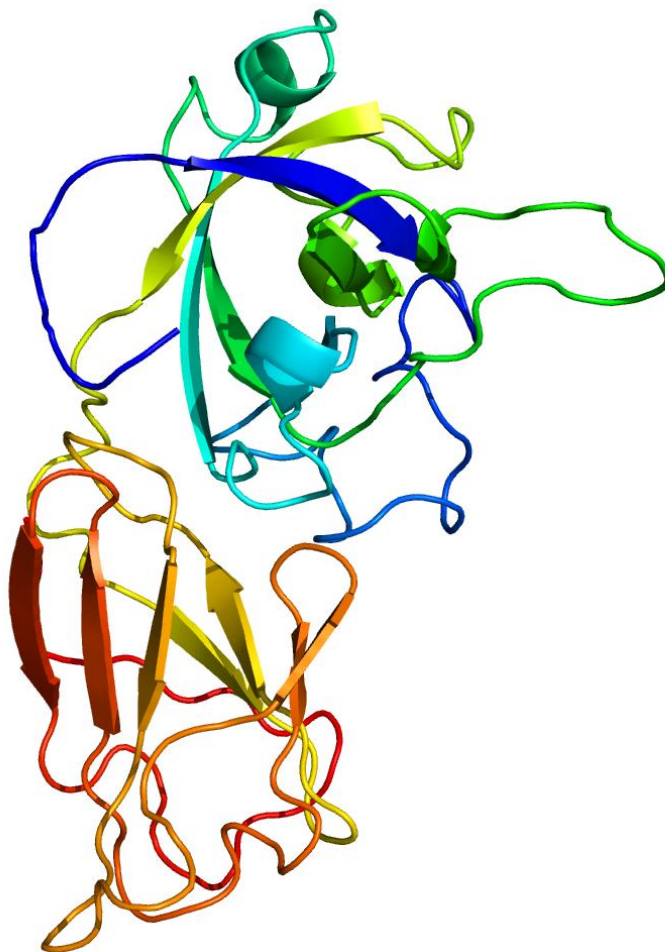
Locus: Sobic.004G119600

Gene Model: Sobic.004G119600.1.p

Description: SbEXPA-21

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>

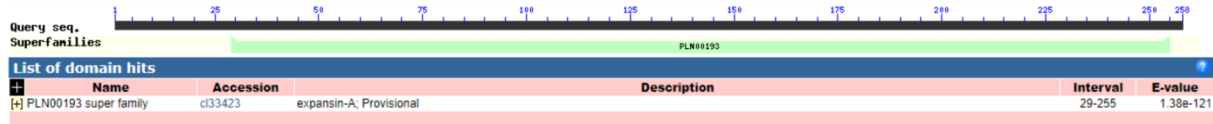
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>SbEXPA-21

MAGPAYARAALALALAVAAAAADAQTEWLRGHATFYGGADASGTMGGACGYG
DLFAQGYGTRTTALSTALFSGGASCQCYKLVCDRKTDATWCKPGVSVTVTATNFC
PPNWKLPGDGGWCNAVRAHFDMAQPAWEKIGVFSGGIIPVIYRRVSCVRKGGVRFV
NGHDYFNLVLLTNVAGPGSIRAMDVRSSKPPVDWMHMARNWGANWHSRLYLTGQ
GLSFRVTVTDGQTI VFADVPPKWRFQSFSSKLQFKL*

CDS (coding sequence)

>SbEXPA-21

ATGGCTGGACCTGCTTACGCCCGCGCGGGCGCTCGCGCTCGCGCTCGCCGTGGCCG
CGGCCGCCGCGGCCGACGCGCAGACGGAGTGGCTCAGGGGGCATGCCACGTTCT
ACGGCGGCGCGGACGCCTCCGGCACCATGGGGGGCGCGTGCGGGTACGGCGACC
TGTTTCGCGCAGGGGTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCTC
CGGCGGGGCCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACAGGAAGACGGA
CGCGACGTGGTGCAAGCCGGGGGTGTCCGTCACCGTCACCGCCACCAACTTCTGC
CCGCCAACTGGAAGCTCCCCGACGGCGGGTGGTGCAACGCGGTGCGCGCCCAC
TTCGACATGGCGCAGCCGGCGTGGAAGATCGGCGTCTTCAGCGGCGGCATC
ATCCCCGTCATCTACAGGAGGGTCTCCTGCGTCAGGAAGGGCGGGGTGCGCTTCA
CCGTCAACGGCCACGACTACTTCAACCTCGTCTGCTCACCAACGTCGCCGGCCC
GGGATCCATCAGGGCCATGGACGTCAGGAGCTCGAAACCGCCGGTGGACTGGAT
GCACATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCAGATACCTCACGGGC
CAGGGGCTGTCGTTTCAGGGTACCGTACAGACGGCCAGACCATCGTCTTCGCCG
ACGTCGTGCCGCCCAAGTGGAGGTTTCGGCCAGTCCTTCTCAGCAAGCTGCAGTT
CAAGCTGTGA

Nucleotide

>SbEXPA-21

ATGGCTGGACCTGCTTACGCCCGCGCGGGCGCTCGCGCTCGCGCTCGCCGTGGCCG
CGGCCGCCGCGGCCGACGCGCAGACGGAGTGGCTCAGGGGGCATGCCACGTTCT
ACGGCGGCGCGGACGCCTCCGGCACCATGGGTAAGCTAAGCTAAGCTAAGCAGC
CTGCAGCCAGCCTCTTATTAATAACTGCACGCGAGCTGACGATCGACGACCGGCG
GCATCACTGCCAATGCATGCATGAGCAGGGGGCGCGTGCGGGTACGGCGACCTG

TTCGCGCAGGGGTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCTCCG
GCGGGGCCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACAGGAAGACGGACG
CGACGTGGTGCAAGCCGGGGGTGTCCGTACCGTCACCGCCACCAACTTCTGCCC
GCCCAACTGGAAGCTCCCCGACGGCGGGTGGTGCAACGCGGGTGC GCGCCCACTTC
GACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTTCAGCGGCGGCATCATC
CCCGTCATCTACAGGAGGGTCTCCTGCGTCAGGAAGGGCGGGGTGCGCTTCACCG
TCAACGGCCACGACTACTTCAACCTCGTCCTGCTCACCAACGTCGCCGGCCCGGG
ATCCATCAGGGCCATGGACGTCAGGAGCTCGAAACCGCCGGTGGACTGGATGCA
CATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCAGATACCTCACCGGCCAG
GGGCTGTCGTT CAGGGTCACCGTCACAGACGGCCAGACCATCGTCTTCGCCGACG
TCGTGCCGCCCAAGTGGAGGTTCCGGCCAGTCCTTCTCCAGCAAGCTGCAGTTCAA
GCTGTGACTAACTGACTACTACCGTACTAAAGGTAGCCCGTACATGTACCGTACC
ACCGTGTGCGTGATGATCGATCATCGATGATTATTTAATTTGGACCTCCAGGCCA
ATATATACAGTAATTGATTTGGTTGTGACTTGCATTGTGGAGAGGGTTCATTTACC
ATTTCTGTATGTAGGAGTACATACGTGCTTCCAAATTTTTTTATTTGAAAAGAAAC
AAGACTTGTTAATTTATTGCTACTTTGCGCCTG