

## IDENTIFICATION

**Species:** *Sorghum bicolor*

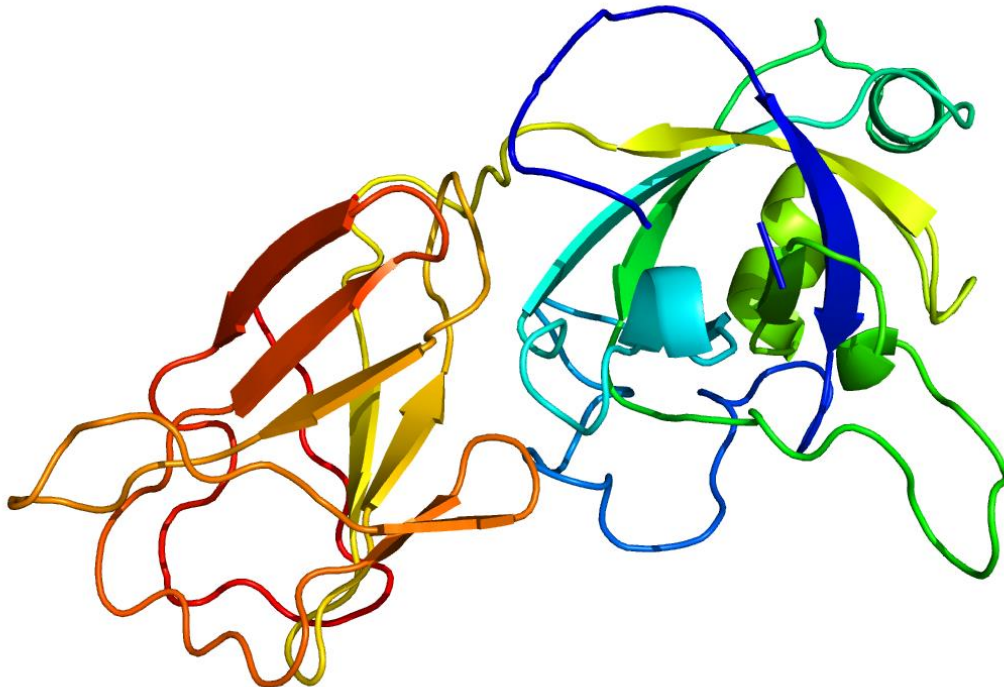
**Locus:** Sobic.004G119800

**Gene Model:** Sobic.004G119800.1.p

**Description:** SbEXPA-22

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

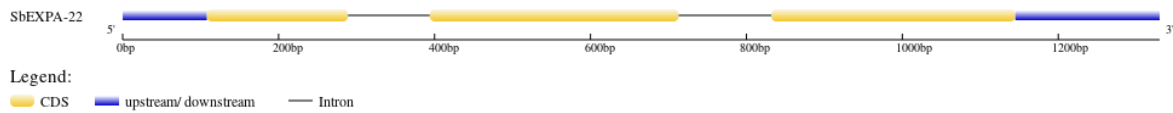
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

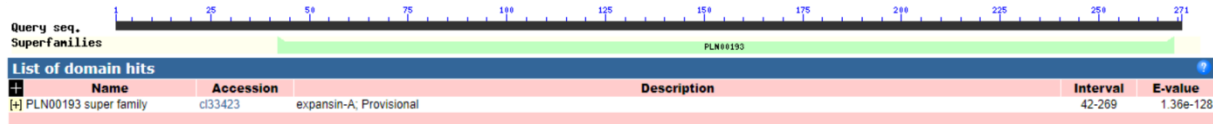
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPA-22

MGMAPARVLGFVSLAVACMLAIMAAAGDAATSTPSSPTPTTGWLKAHATFYGGAD  
ASDTMGGACGYGNLYSQGYGTRTAALSTVLFQDGASCGQCYKICDRKKADSRFC  
KPGVTVTVTATNFCPPNSALPEGGWCNQQRPFDMAQPAFEKIGVYTGGIIPVMYKR  
VPCVKRGGVRFTHDYNLVLVTNVAGAGSIKSMVKTNSNSWISMARNWGAN  
WHSLAHLTGQMLSFRVTDTDGQTIEFTNVVPQGWKFGQTFASKLQFK\*

### CDS (coding sequence)

>SbEXPA-22

ATGGGTATGGCTCCAGCACGAGTTCTTGGATTCGTGTCGCTCGCAGTCGCCTGCA  
TGCTGGCCATCATGGCCGCCGCTGGTGACGCCGCCACCAGCACTCCGTCGTCTCC  
GACGCCGACCACGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGGGCCGA  
TGCTCGGACACCATGGGAGGGGCGTGCGGGTACGGGAACCTCTACTCCCAGGG  
CTACGGCACGCGGACGGCGGCTCTGAGCACGGTGCTCTTTCAGGATGGGGCCTCA  
TGCGGCCAGTGCTACAAGATTGCGTGCGACCGTAAGAAAGCCGACTCCAGGTTCT  
GCAAGCCCGGCGTCAAGTACCGTACGGCCACCAACTTCTGCCCCCAACTC  
GGCGCTGCCCGAGGGTGGCTGGTGAATCAGCAGCGCCCGCACTTCGACATGGC  
GCAACCGGCTTTCGAGAAGATCGGCGTCTACACCGGCGGCATCATCCCCGTCATG  
TACAAGAGGGTTCCTTGTGTGAAGCGAGGTGGGGTGCAGGTTCAATCAATGGTC  
ACGACTACTTCAATCTCGTGCTCGTGACCAATGTTGCAGGAGCTGGCTCCATCAA  
GTCAATGGACGTCAAGACCTCCAACCTCAATAGTTGGATATCAATGGCACGCAAC  
TGGGGTGCGAACCTGGCACTCTCTTGCTCACCTTACTGGACAGATGCTCTCATTTAG  
AGTAACGGACACGGATGGACAACTATTGAATTCACAAACGTTGTGCCACAAGG  
ATGGAAGTTTGGCCAAACATTTGCATCCAAGTTACAGTTCAAGTGA

### Nucleotide

>SbEXPA-22

AAACAATCTCTAGCTAGACTAGCAGAACAATAAACCAGTCCGTGCACTCAG  
CATCCCAGCTCCACGCTCTGTGCAGTTTCAAGGTCGGCATACAAACCAAGCAGTA  
TGGGTATGGCTCCAGCACGAGTTCTTGGATTCGTGTCGCTCGCAGTCGCCTGCAT  
GCTGGCCATCATGGCCGCCGCTGGTGACGCCGCCACCAGCACTCCGTCGTCTCCG  
ACGCCGACCACGGATGGCTGAAGGCGCATGCCACGTTCTACGGCGGGGCCGAT

