

## IDENTIFICATION

**Species:** *Sorghum bicolor*

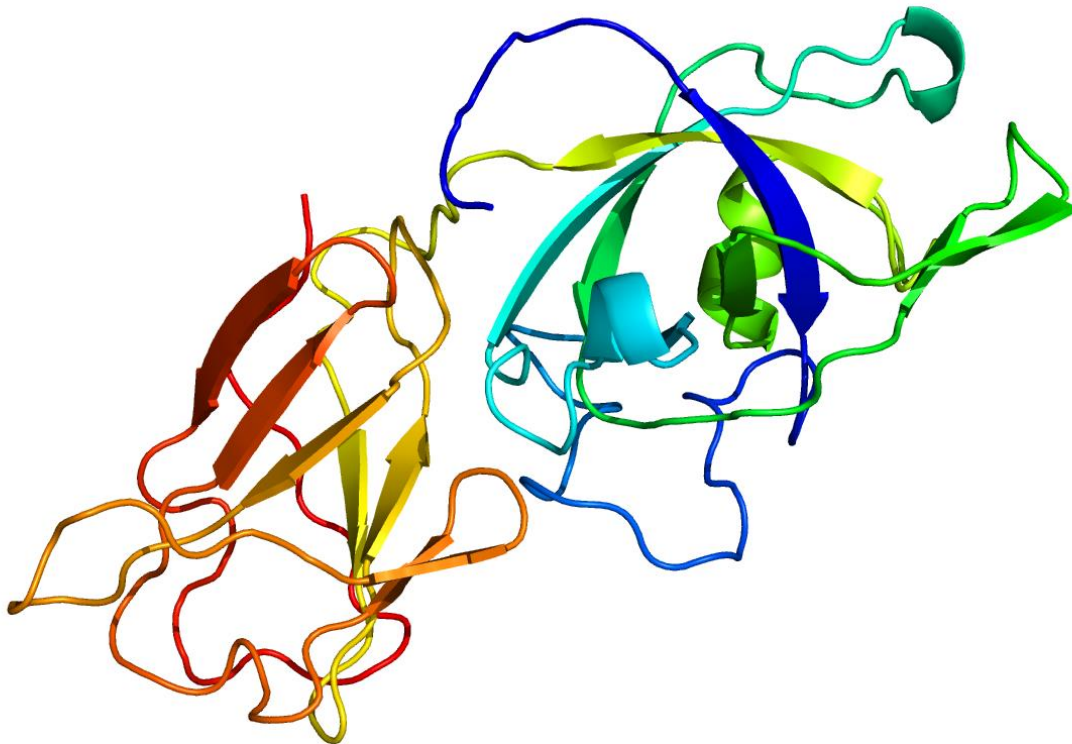
**Locus:** Sobic.003G059900

**Gene Model:** Sobic.003G059900.1.p

**Description:** SbEXPA-16

**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>

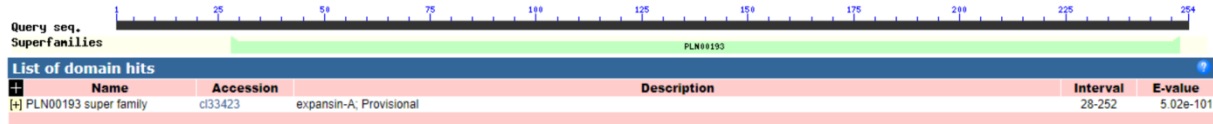
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPA-16

MEKAMLLLLLSLCASRLGGAVAQQYQYWTPATATFYGGSDASGTMGGSCGYGDLY  
SAGYGTQTTALSTALYGDGASCGACYLVTCDATGTQYCKPGSPSVTVTATNFCPPNY  
DDANGWCNSPRRHFDMSQPAWETIGVYQAGVIPVNYRRVSCQSRGGIRFAISGHDYF  
DLVTITNVGGAGAVAAAWIMGTGGTDWLAMSRNWGENWQSGAYLTGKALSFKVQ  
TDDGKVVVADNVAPANWQFGSTYQASVNFY\*

### CDS (coding sequence)

>SbEXPA-16

ATGGAGAAGGCAATGCTGCTCTTGTGCTGAGCTTGTGCGCCTCTCGACTCGGCG  
GCGCAGTGGCGCAGCAGTACCAGTACTGGACGCCGGCCACCGCGACGTTCTACG  
GCGGGAGCGACGCGTCCGGCACCATGGGCGGATCGTGCGGGTACGGCGACCTGT  
ACAGCGCCGGGTACGGGACGCAGACGACGGCGCTGAGCACAGCGCTCTACGGCG  
ACGGCGCCTCCTGCGGCGCGTGCTACCTCGTCACCTGCGACGCGACGGGGACGCA  
GTACTGCAAGCCGGGGTTCGCCGTCGGTACCGTACGGCCACCAACTTCTGCCCG  
CCCAACTACGACGACGCCAACGGGTGGTGCAACTCGCCGCGGCGGCACTTCGAC  
ATGTCGCAGCCGGCGTGGGAGACCATCGGGCGTGTACCAGGCCGGCGTAATACCC  
GTCAACTACCGGAGGGTCTCGTGCCAGCGGTCCGGCGGGATCAGGTTCCGCATCA  
GCGGGCACGACTACTTCGACCTTGTACCATCACCAACGTCGGCGGGCGCCGGCGC  
GGTGGCCGCGGCGTGGATCATGGGCACCGGCGGCACGACTGGCTGGCCATGAG  
CCGCAACTGGGGGGAGAAGTGGCAGAGCGGAGCCTACCTACCGGAAAGGCCCT  
GTCGTTCAAGGTGCAGACGGACGACGGCAAGGTCGTCGTGGCGGATAACGTGGC  
GCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGCCTCGGTCAACTTCTACTAG

### Nucleotide

>SbEXPA-16

GCAACACATTGCAATTTGCAAGTGATCTGGCTTGGCCCTGCCACTCAGCCTCCTA  
GTGAGAGACGATGGAGAAGGCAATGCTGCTCTTGTGCTGAGCTTGTGCGCCTCT  
CGACTCGGCGGGCGCAGTGGCGCAGCAGTACCAGTACTGGACGCCGGCCACCGCG  
ACGTTCTACGGCGGGAGCGACGCGTCCGGCACCATGGGTAACACTCTCACTGAGG  
CCTGACCCATTTTCTTGGCAATGCATGCAACTCTGATCCACGCCGGCGTTCGCCCG  
ACTGATGCGCGTGTACTTGTGCTGCGCCGGCCGTGCGCAGGCGGATCGTGCGGGT

ACGGCGACCTGTACAGCGCCGGGTACGGGACGCAGACGACGGCGCTGAGCACAG  
CGCTCTACGGCGACGGCGCCTCCTGCGGGCGCGTGCTACCTCGTCACCTGCGACGC  
GACGGGGACGCAGTACTGCAAGCCGGGGTTCGCCGTCGGTCACCGTCACGGCCAC  
CAACTTCTGCCCGCCAACTACGACGACGCCAACGGGTGGTGCAACTCGCCGCGG  
CGGCACTTCGACATGTCGCAGCCGGCGTGGGAGACCATCGGCGTGTACCAGGCC  
GGCGTAATACCCGTCAACTACCGGAGGGTCTCGTGCCAGCGGTCCGGCGGGATCA  
GGTTCGCCATCAGCGGGCACGACTACTTCGACCTTGTACCATCACCAACGTCGG  
CGGCGCCGGCGCGGTGGCCGCGGCGTGGATCATGGGCACCGGCGGCACGGACTG  
GCTGGCCATGAGCCGCAACTGGGGGGAGA ACTGGCAGAGCGGAGCCTACCTCAC  
CGGAAAGGCCCTGTCGTTCAAGGTGCAGACGGACGACGGCAAGGTCGTCGTGGC  
GGATAACGTGGCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGCCTCGGT  
CAACTTCTACTAGAGTTGGCCAGTTGGCCGCGCCACTTCTGATTCTAATGAGTG  
GGCCATGTTCACTAACAGCCCATGAGCCCCGCAGAGAATCCTTACAGTAAACACG  
TGTATAAATTTTTTTAATTTGATAATATACGAACAGATTGTAAGCGCACTTAAGTG  
TATTCCTATAATGTCCATCTAAACGAAGTTCCATGTTGAATTTATTGTACGAATC  
CACCATACTTTTTTATATCATATATCAGGAAAAAAGAAAAGAAT