

## IDENTIFICATION

**Species:** *Sorghum bicolor*

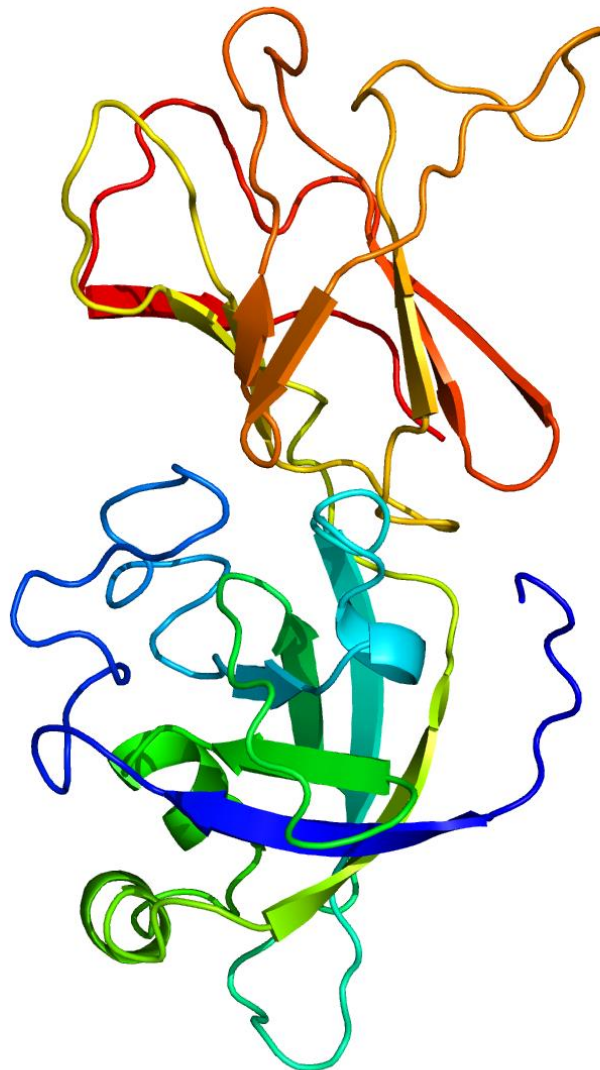
**Locus:** Sobic.001G301400

**Gene Model:** Sobic.001G301400.1.p

**Description:** SbEXPB-10

**Family:** Beta 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>

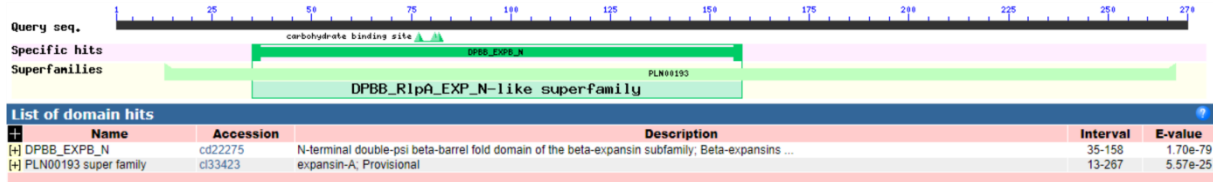
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPB-10

MAAAVISISSKVAALAALFVVLAMSAEAASPNGGWLA AKATWYGAPNGAGPDDNG  
GACGFKNTNQYPYMSMTSCGNEPLFKDGKGC GACYQIRCLNSTHDACSGRAKRVIIT  
DMNYYPVSKYHFDLSGTAFGAMAKTGLNDKLRHAGIIDIQFRRVPCNYKGLSVNFR  
VQVGSNPNYFAVLVQYAGKDGAVVQLDLMETSKATGKPTGVWTPMRVSWGAVW  
RLDTKRPLQPPFSRLVRNGSGKTLVASNVIPANWKPMTDYPNSNVQFPN\*

### CDS (coding sequence)

>SbEXPB-10

ATGGCCGCCGCGGTGATCTCCATCTCCTCAAAGGTGGCTGCACTCGCTGCACTGTT  
CGTGGTGCTCGCCATGTCCGCCGAGGCGGCGAGCCCCAACGGCGGCTGGCTGGC  
AGCCAAGGCCACATGGTACGGCGCGCCCAACGGCGCAGGCCCTGACGACAACGG  
TGGCGCGTGTGGGTTCAAGAACACCAACCAGTACCCGTACATGTCCATGACGTCC  
TGCGGCAACGAGCCGCTGTTCAAGGACGGCAAGGGCTGCGGCGCATGCTACCAG  
ATACGGTGCCTGAATAGCACCCACGACGCTTGCTCCGGCAGAGCGAAGCGTGTG  
ATCATCACGGACATGAACTACTACCCGGTGTCCAAGTACCACTTCGACCTGAGCG  
GCACGGCGTTCGGCGCCATGGCCAAGACCGGGCTGAACGACAAGCTCCGGCACG  
CGGGCATCATCGACATCCAGTTCAGGCGGGTGCCCTGCAACTACAAGGGCCTGAG  
CGTCAACTTCCGCGTCCAGGTGGGTTCCAACCCCAACTACTTCGCGGTGCTGGTG  
CAGTACGCGGGCAAGGACGGCGCCGTGGTGCAGCTGGACCTGATGGAGACCAGC  
AAGGCCACCGGCAAGCCGACGGGGGTGTGGACGCCGATGCGCGTGTCTGGGGC  
GCCGTCTGGCGCCTCGACACCAAGCGGCCCTGCAGCCGCCCTTCTCGCTGCGCG  
TTCGGAACGGTCCGGCAAGACGCTGGTGGCCAGCAACGTCATCCCGGCCAACTG  
GAAGCCGATGACCGACTACCCCTCCAACGTCCAGTTCCTAATTAG

### Nucleotide

>SbEXPB-10

TGCACCTCTAACACGGCAAGCCGTCGTACGCGACGAGCCCAACGGCGACCCTTG  
ATGCCAATTCGATCAACCCGGCCGGCTTTCGCCTGCCTATAAAACGCACCAGCAG  
TGTCGTCCACCGATCGACCAAGAAAAACACCGACCGAACATCCAAGTACAAGTA

CACCACTCGCTACTCTTGAAAATTGTAGGTGATCGACTATAGCTGGTTCGATCGA  
TCGAGCTGAGACGACGATGGCCGCCCGTGATCTCCATCTCCTCAAAGGTGGCT  
GCACTCGCTGCACTGTTTCGTGGTGCTCGCCATGTCCGCCGAGGCGGCGAGCCCCA  
ACGGCGGCTGGCTGGCAGCCAAGGCCACATGGTACGGCGCGCCCAACGGCGCAG  
GCCCTGACGACAACGGTACGTGCCTGCGTCCCACGCACACGGTGGGTGTTACAGT  
ACTACCAATGCCCGTGTGCATGTCTGACGTTGTTGTGTCTGCAGGTGGCGCGTGT  
GGGTTCAGAACACCAACCAGTACCCGTACATGTCCATGACGTCGTGCGGCAACG  
AGCCGCTGTTCAAGGACGGCAAGGGCTGCGGGCGCATGCTACCAGGTAGTAGAGT  
CTACTCTTCTACAAATAAATTAGTTAACCTAGACATAGTTAACTTGCAGTCCCTGG  
TCAGTTAATTTGATCATCGCGGTCAACCGTAGCAGTAACCCCTTTAATATTCTCGT  
ACCAATTGAAAATCCATCAGATACGGTGCCTGAATAGCACCCACGACGCTTGCTC  
CGGCAGAGCGAAGCGTGTGATCATCACGGACATGAACTACTACCCGGTGTCCAA  
GTACCCTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCCAAGACCGGGCTG  
AACGACAAGCTCCGGCACGCGGGCATCATCGACATCCAGTTCAGGCGGGTGCCCT  
GCAACTACAAGGGCCTGAGCGTCAACTTCCGCGTCCAGGTGGGTTC AACCCCAA  
CTACTTCGCGGTGCTGGTGCAGTACGCGGGCAAGGACGGCGCCGTGGTGCAGCTG  
GACCTGATGGAGACCAGCAAGGCCACCGGCAAGCCGACGGGGGTGTGGACGCCG  
ATGCGCGTGTCTGTTGGGGCGCCGTCTGGCGCCTCGACACCAAGCGGCCCTGCAGC  
CGCCCTTCTCGCTGCGCGTTCGGAACGGCTCCGGCAAGACGCTGGTGGCCAGCAA  
CGTCATCCCGGCCAACTGGAAGCCGATGACCGACTACCCCTCCAACGTCCAGTTC  
CCTAATTAGCCGCACGCGCTGCAATCGCCCAGATCATTGTTATTCGATCGTCCCAT  
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AGGAGGCAATGTGATCTCCCGCCCACGATCGCAACATTTGAAATAATAACATGAT  
GTTTATTTACGAGCT