

## IDENTIFICATION

**Species:** *Sorghum bicolor*

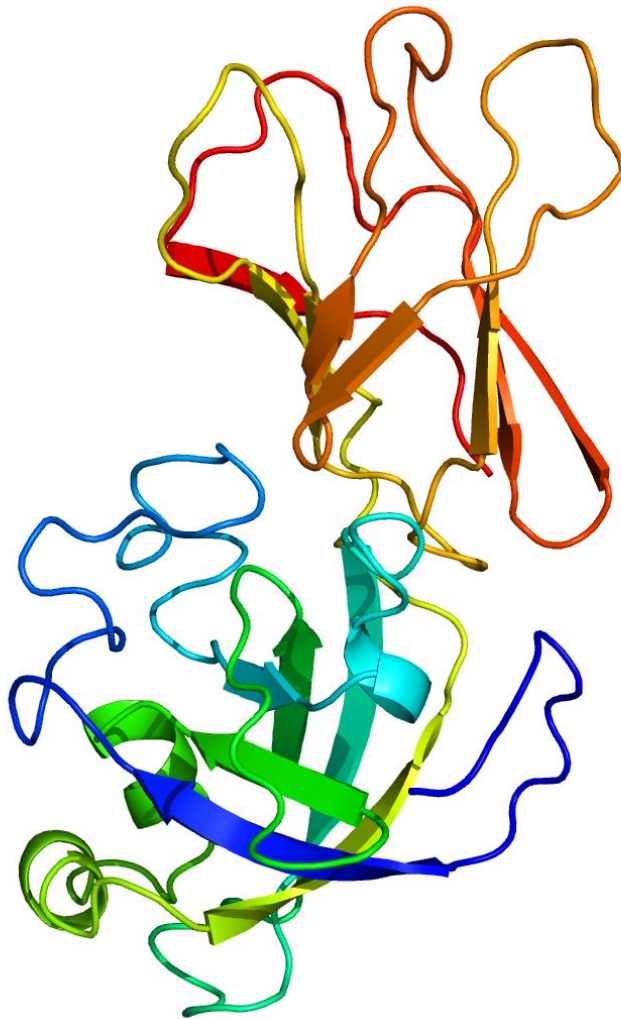
**Locus:** Sobic.001G301600

**Gene Model:** Sobic.001G301600.1.p

**Description:** SbEXPB-12

**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>

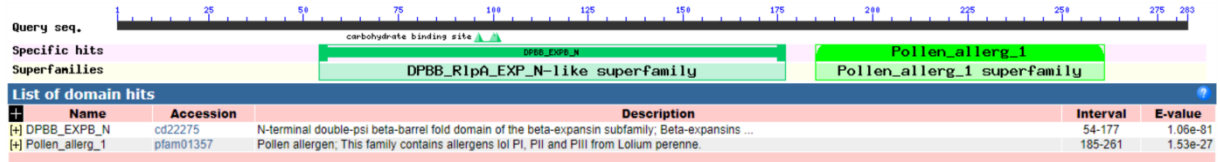
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPB-12

MATALSFKAAFAVAALLSVVAVTYGARAQQPDLHNATDSQSQDRSLLSYSSGWLP  
AKATWYGAPTGAGPDDNGGACGFKGTNQYFSSMTSCGNEPIFKDGKGCSCYQIR  
CLKSNHPACSGVPQTVIITDMNYYVPVAKYHFDLSGTAFGAMASWGLNDKLRHAGIID  
MQFRRVPCNFPGLTITFRVQHGSNPMYLAVLIEHENQDGDVVQADIMQNNSGYWEP  
MHESWGSIWRIDPNRPLRGPFSIRITNESGKQLVAKNIIPANYVADVDYRSYVQYTS\*

### CDS (coding sequence)

>SbEXPB-12

ATGGCCACCGCGCTCTCCTTCAAGGCCGCCTTTGCAGTGGCCGCGCTCCTCTCCGT  
GGTCGCCGTCACCTATGGCGCTCGCGCCCAGCAGCAGCCCGACCTGCACAACGCC  
ACCGACTCGCAGTCGCAGGACAGATCCTTGTGTCTACAGCAGTGGCTGGCTGC  
CGGCCAAGGCCACCTGGTACGGCGCGCCACCGGCGCCGGCCCCGACGACAACG  
GTGGTGCCTGCGGGTTCAAGGGCACGAACCAGTACCCGTTCTCGTCCATGACGTC  
GTGTGGCAACGAGCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTATCAG  
ATACGGTGCCTTAAGAGCAACCACCCGGCCTGCTCCGGCGTGCCGCAGACGGTGA  
TCATCACGGACATGAACTACTACCCGGTTGCCAAGTACCACTTCGACCTGAGCGG  
CACGGCGTTCGGCGCCATGGCGAGCTGGGGCCTCAACGACAAGCTCCGGCACGC  
CGGGATCATCGACATGCAGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTGACC  
ATCACCTTCCGCGTGCAGCACGGGTCCAACCCCATGTACCTCGCCGTGCTCATCG  
AGCACGAGAACCAGGACGGCGACGTGGTGCAGGCGGACATCATGCAGAACA  
ACTCCGGTACTGGGAGCCCATGCACGAGTCTGGGGATCCATCTGGAGGATCGACCC  
CAACCGCCCGCTCAGGGGCCCTTCTCCATCCGCATCACCAACGAGTCCGGCAAG  
CAGCTGGTGGCCAAGAACATTATCCCGGCCAACTATGTCGCCGACGTTCGATTACC  
GCTCCTACGTCCAGTATACTAGCTAA

### Nucleotide

>SbEXPB-12

ACACCATCGAAACACAAACCAGGCAGCAGCGAACTGCCAAGCAAAGCCGAGGTC  
CCTAGGCCACAGCTACTGCAACAATGGCCACCGCGCTCTCCTTCAAGGCCGCCTT  
TGCAGTGGCCGCGCTCCTCTCCGTGGTTCGCCGTACCTATGGCGCTCGCGCCAG

CAGCAGCCCGACCTGCACAACGCCACCGACTCGCAGTCGCAGGACAGATCCTTGT  
TGTCTACAGCAGTGGCTGGCTGCCGGCCAAGGCCACCTGGTACGGCGCGCCAC  
CGGCGCCGGCCCCGACGACAACGGTAAGGATCCGCGCGCACTCCAAGCCATCCA  
TCGATCTCTCCATGTCTGTATATGTTGTCCTCTGCAATGTGGCCATGCCTAAATGT  
GTCTTGTTTGTCTCAATCTTTTTGCTAGGTGGTGCCTGCGGGTTCAAGGGCACGA  
ACCAGTACCCGTTCTCGTCCATGACGTCGTGTGGCAACGAGCCCATCTTCAAGGA  
CGGCAAGGGCTGCGGCTCATGCTATCAGGTGGGTGTGGGTGATAACCGTTTTTCA  
CCACGGCCGACGATCGTTTAGTAGTTGGTGCCCAATCATTTTAATTACTTGGTTGG  
TCAAATGAATTGAAGATAGCAGCAGTAGCTAGCGTCCGGCCGTAGCGCTCGCCTT  
GGATTGCTCACATCACATCAGGACCACGTGCATCCGCTGACCTTGTGCTTGGCTTT  
TCCTCCTTCCCAGATACGGTGCCTTAAGAGCAACCACCCGGCCTGCTCCGGCGTG  
CCGACAGACGGTGATCATCACGGACATGAACTACTACCCGGTTGCCAAGTACCCT  
TCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAGCTGGGGCCTCAACGACA  
AGCTCCGGCACGCCGGGATCATCGACATGCAGTTCAGGAGGGTGCCGTGCAACTT  
CCCGGGCCTGACCATCACCTTCCGCGTGCAGCACGGGTCCAACCCCATGTACCTC  
GCCGTGCTCATCGAGCACGAGAACCAGGACGGCGACGTGGTGCAGGCGGACATC  
ATGCAGAACAACTCCGGTACTGGGAGCCCATGCACGAGTCCTGGGGATCCATCT  
GGAGGATCGACCCCAACCGCCCGCTCAGGGGCCCCCTTCTCCATCCGCATCACCAA  
CGAGTCCGGCAAGCAGCTGGTGGCCAAGAACATTATCCCGGCCAACTATGTCGCC  
GACGTCGATTACCGCTCCTACGTCCAGTATACTAGCTAATTGACCGACCACTGCA  
CACGGTCGATCTTAATTAAGTGTTCTTTTGTTTAGTGGCTCTGCCGTTATGGGCAA  
CCGGACTCGAGGATTTTTACCTCAATACTGTCTGTGGTGTGTGAGCTAGTGTGTCC  
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ACTGTCACTCTACCATTACCAGAGTGTGTAACCAGCAAATCATGGTTATATATAA  
TTTATACTACTATATGGAGTATCTGCTGCTATTT