

## IDENTIFICATION

**Species:** *Sorghum bicolor*

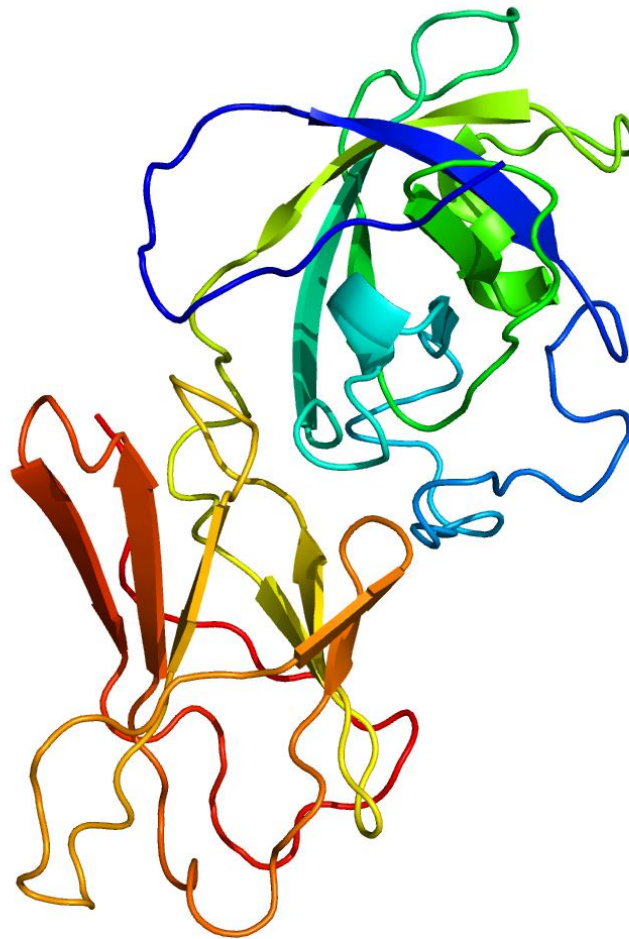
**Locus:** Sobic.010G194500

**Gene Model:** Sobic.010G194500.1.p

**Description:** SbEXPA-38

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

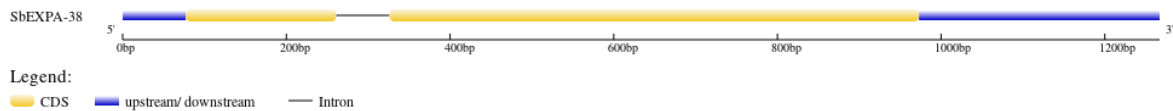
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

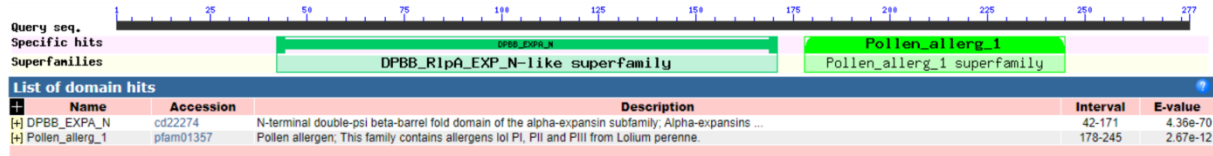
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPA-38

MASSSRAPAMMVVVA VIMAAHLASGSGYDSAAAAPFTKSDWQDGSATFYGQDS  
GLGADFGGACGYGANDILSLYSTRTAALSTPLFASGAGCGQC YELRCVSSRWCPGS  
PSVVVTGNTLCPNWNLPDNGGWCNPPRRHFDMAPPSFLILAQRVAGIVPVQFRRV  
PCQRSGGVRFYVQGNYYWLLLYVMNVGGSGDVGD LAVKRAGEPDCNYVPASRNW  
GITYQVFAALGNSKGLVVRMTTYSLPRKIIVDDAITAGWCTGLSYQGSNNFY\*

### CDS (coding sequence)

>SbEXPA-38

ATGGCGTCGTCGTCAGGGCTCCGGCGATGATGGTGGTCGTCGCGGCCGTGATCA  
TGGCGGCGGCACACCTCGCGAGCGGCAGCGGCTATGACAGTGCTGCGGCGGCGC  
CTTTCACCAAGTCGGACTGGCAAGACGGCAGCGCCACCTTCTACGGCCAAGACTC  
CGGCCTTGGCGCAGACTTCGGCGGCGCGTGC GGCTACGGCGCCAACGACATCCTG  
TCGCTCTACTCGACGCGCACGGCGGCGCTGAGCACGCCGCTGTTTCGCGAGCGGCG  
CCGGGTGCGGGCAGTGCTACGAGCTGCGGTGCGTCAGCTCCC GGTGGTGCAACCC  
GGGTTCGCCGTCGGTCGTCGTCACCGGCACCAACCTCTGCCC GCCAACTGGAAC  
CTCCCAGCGACAACGGCGGCTGGTGCAACCCGCCGCGGAGGCACTTCGACATG  
GCGCCGCCGTCCTTCTCATCCTCGCGCAGCGCGTG GCGGGCATCGTCCCCGTGC  
AGTTCGCCCGCGTCCCGTGCCAGCGCTCCGGCGGGGTCAGGTTCTACGTGCAGGG  
CAACTACTACTGGCTCCTGCTCTACGTCATGAACGT CGGCGGCAGCGGCGACGTC  
GGCGACCTCGCCGTCAAGAGGGCCGGCGAGCCGGACTGCAACTACGTGCCCGCG  
TCGCGCAACTGGGGCATCACGTACCAGGTGTTCCGCCGCGCTCGGCAACAGCAAG  
GGCCTCGTCGTCAGGATGACCACCTACAGCTTGCCGCGGAAGATCATCGTCGTCG  
ACGACGCCATCACCGCCGGGTGGTGC ACTGGACTCTCCTACCAGGGATCCAACAA  
CTTCTATTGA

### Nucleotide

>SbEXPA-38

CCAGCAGAGCGAGAGCACGTCCGCATATCCATCTTGATCCGTCGACCAAGGAGAT  
ACACATTACAGCGCGTACGACCATGGCGTCGTCGTC CAGGGCTCCGGCGATGATG  
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TATGACAGTGCTGCGGGCGGCCTTTCACCAAGTCGGACTGGCAAGACGGCAGC  
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CGTTCATTTGAACTAATGCTGGAGGGAGTCAAATGCTCATCATTGGAATGCAGGC  
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TGGTGCAACCCGCCGCGGAGGCACTTCGACATGGCGCCCGCCGTCCTTCCTCATCC  
TCGCGCAGCGCGTGGCGGGC ATCGTCCCCGTGCAGTTCCGCCGCGTCCCGTGCCA  
GCGCTCCGGCGGGGTGAGGTTCTACGTGCAGGGCAACTACTACTGGCTCCTGCTC  
TACGT CATGAACGTCGGCGGCAGCGGGCAGCTCGGCGACCTCGCCGTCAAGAGG  
GCCGGCGAGCCGGACTGCAACTACGTGCCCGCGTCGCGCAACTGGGGCATCACG  
TACCAGGTGTTTCGCCGCGCTCGGCAACAGCAAGGGCCTCGTCGTCAGGATGACCA  
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GTGCACTGGACTCTCCTACCAGGGATCCAACAACCTTCTATTGATTATCGATCATAT  
TCCTTCTTAATTTGTTTCACTTGTTTTTCGTGCATGATGGATCGATATGCCTGCATA  
CATGATCCTTGTACATCAATTCAGTTGTTTTTTTCGTTTCCCTGGATGCTCTCGCTTT  
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