

## IDENTIFICATION

**Species:** *Sorghum bicolor*

**Locus:** Sobic.001G539700

**Gene Model:** Sobic.001G539700.1.p

**Description:** SbEXPB-20

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

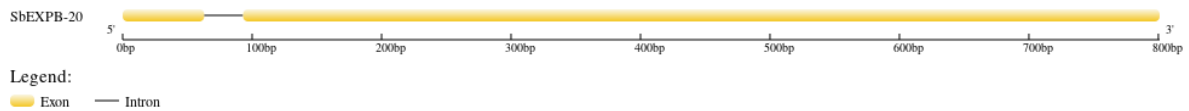
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

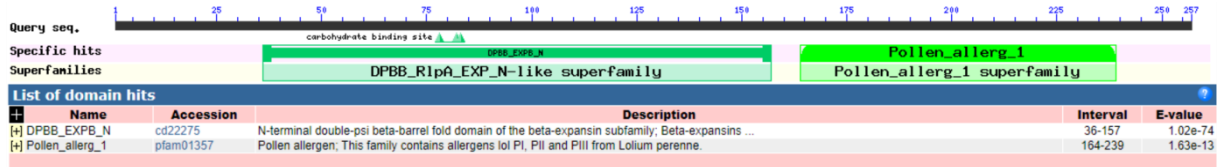
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPB-20

MGVNMMSWSMKVALVVALVFLVAPGKNITATYGSDWLEAKATWYGKPTGAGPDD  
NGGACGYKDVNKAPFNSMGACGNLPIFKDGLGCGSCFEIKCDKPAECSGEAVVVHIT  
DMNYEQIAAYHFDLAGTAFGAMAKKGEEKLRKAGIIDMQFRRVKCKYGEKVTFH  
VEKGSNPNYLALLVKYVDGDGDVVGVDIKEKGGAYQPLKHSWGAIWRKDSDKPI  
KFPVTIQITTEGGTKTAYEDVIPEGWKADTTYTAK\*

### CDS (coding sequence)

>SbEXPB-20

ATGGGAGTGAACATGATGTCCTGGTCGATGAAGGTGGCGTTGGTGGTGGCGTTGG  
TGTTTCTGGTTGCCCCAGGAAAGAACATCACGGCCACCTACGGCAGTGACTGGCT  
GGAAGCAAAGGCGACATGGTACGGCAAGCCGACGGGCGCCGGCCCCGACGACA  
ACGGCGGTGCGTGC GGGTACAAGGATGTTAACAAGGCCCCCTTCAACAGCATGG  
GCGCGTGCGGCAACCTCCCCATCTTCAAGGACGGCCTCGGCTGCGGCTCATGCTT  
TGAGATCAAGTGCGACAAGCCGGCCGAGTGCTCCGGTGAGGCCGTGGTGGTGCA  
CATCACGGACATGAACTACGAGCAAATTGCCGCCTACCACTTCGACCTGGCCGGC  
ACCGCATTTGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGCAAGGCG  
GGCATCATCGACATGCAGTTCCGCCGGGTCAAGTGCAAGTATGGCGAAAAGGTC  
ACCTTCCACGTGGAGAAGGGGAGCAACCCCAACTACCTGGCACTGCTGGTCAAGT  
ATGTTCGATGGCGACGGCGACGTTGTGGGGGTGGACATCAAGGAGAAGGGTGGCG  
AGGCGTACCAGCCCCTCAAGCACTCCTGGGGCGCTATTTGGAGGAAGGACAGCG  
ACAAGCCCATCAAGTTTCCCGTCACTATCCAAATCACCCTGAGGGAGGCACCAA  
GACCGCCTACGAAGATGTCATCCCTGAAGGTTGGAAGGCCGACACCACCTACT  
GCCAAATAA

### Nucleotide

>SbEXPB-20

ATGGGAGTGAACATGATGTCCTGGTCGATGAAGGTGGCGTTGGTGGTGGCGTTGG  
TGTTTCTGGTGGGTGGCGCATGGTGC GGTCCTCCAAGGTTGCCCCAGGAAAGAA  
CATCACGGCCACCTACGGCAGTGACTGGCTGGAAGCAAAGGCGACATGGTACGG

CAAGCCGACGGGCGCCGGCCCCGACGACAACGGCGGTGCGTGCGGGTACAAGGA  
TGTTAACAAGGCCCCCTTCAACAGCATGGGCGCGTGCGGCAACCTCCCCATCTTC  
AAGGACGGCCTCGGCTGCGGCTCATGCTTTGAGATCAAGTGCGACAAGCCGGCC  
GAGTGCTCCGGTGAGGCCGTGGTGGTGCACATCACGGACATGAACTACGAGCAA  
ATTGCCGCCTACCACTTCGACCTGGCCGGCACCGCATTTGGCGCCATGGCCAAGA  
AGGGCGAGGAGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCC  
GGGTCAAGTGCAAGTATGGCGAAAAGGTCACCTTCCACGTGGAGAAGGGGAGCA  
ACCCAACTACCTGGCACTGCTGGTCAAGTATGTCGATGGCGACGGCGACGTTGT  
GGGGGTGGACATCAAGGAGAAGGGTGGCGAGGCGTACCAGCCCCTCAAGCACTC  
CTGGGGCGCTATTTGGAGGAAGGACAGCGACAAGCCATCAAGTTTCCCGTCACT  
ATCCAAATCACCACTGAGGGAGGCACCAAGACCGCCTACGAAGATGTCATCCCT  
GAAGGTTGGAAGGCCGACACCACCTACACTGCCAAATAA