

## IDENTIFICATION

**Species:** *Sorghum bicolor*

**Locus:** Sobic.001G300900

**Gene Model:** Sobic.001G300900.2.p

**Description:** SbEXPB-07

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

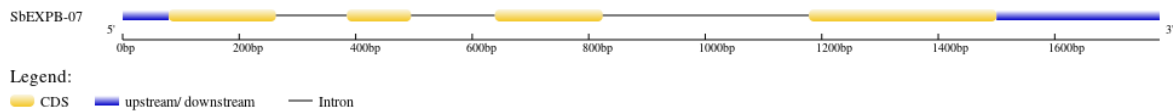
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sbicolor\\_v3\\_1\\_1](https://phytozome-next.jgi.doe.gov/info/Sbicolor_v3_1_1)

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

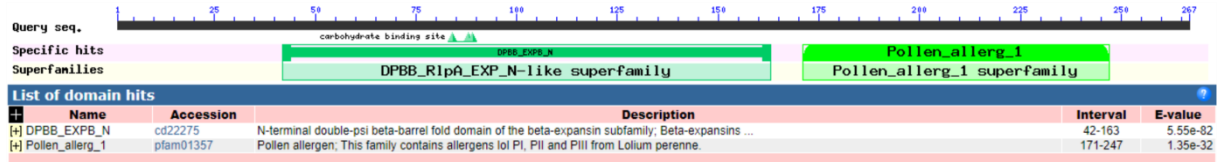
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SbEXPB-07

MATCSSTVVALGALLFSLLATCGSCARPVSFNASDFTADPDWEAARATWYGAPTGA  
GPDDDGGACGFKNVNLPPFSAMTSCGNEPLFKDGGKCGSCYQIRCQNDACSGNPE  
TVIITDMNYYPVSKYHFDLSGTAFGAMAKPGRSDELRHAGIIDIQFKRVPCNYPGQKV  
TFHVEEGSNPVYFAVLVEFEDGDGDVQVDLMEANSGSWTPMRESWGSIWRLDSG  
HRLTAPFSLRITNESGKTLVANQVIPANWVPNTYYRSIVQY\*

### CDS (coding sequence)

>SbEXPB-07

ATGGCCACCTGCTCCTCCACAGTAGTTGCACTTGGTGCCTTCTCTTCTCGCTCCT  
TGCAACGTGTGGCTCATGCGCTAGACCAGTGAGCTTTAACGCCTCCGACTTCACC  
GCCGATCCCGACTGGGAGGCTGCCAGGGCAACCTGGTACGGTGCGCCACCCGGC  
GCCGGCCCTGATGACGACGGTGGCGCCTGTGGATTCAAGAACGTGAACCTGCCGC  
CGTTCTCGGCAATGACATCGTGC GGCAACGAGCCCTTGTTCAAGGACGGCAAGGG  
CTGCGGCTCCTGCTACCAGATACGATGCCAAAACAACGATGCCTGCTCCGGCAAC  
CCTGAGACGGTGATCATACTGACATGAACTACTACCCCGTGTCCAAGTATCACT  
TCGACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCGACGCGACG  
AGCTCCGCCACGCCGGC ATCATCGACATCCAGTTCAAGAGGGTGCCCTGCAACTA  
CCCCGGGCAGAAGGTGACGTTCCACGTGGAGGAGGGCTCCAACCCCGTCTACTTC  
GCGGTGCTCGTTCGAATTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTC  
ATGGAGGCCAACTCCGGGTCGTGGACGCCGATGCGCGAGTCCTGGGGATCCATCT  
GGAGGCTGGACTCCGGCCACCGCCTACCGCGCCGTTCTCCCTGCGCATCACCAA  
CGAGTCCGGCAAGACGCTGGTGGCGAACCAAGTCATCCCGGCCAACTGGGTGCC  
CAACACCTACTACCGTTCCATCGTCCAGTATTAG

### Nucleotide

>SbEXPB-07

GACCATCGAGACACACAACTTCTCCTGTCTGCCTACCGATAGCTCTAATAGCT  
GCCCTCTCAAGTACTAGCTACACGATGGCCACCTGCTCCTCCACAGTAGTTGCAC  
TTGGTGCCTTCTCTTCTCGCTCCTTGCAACGTGTGGCTCATGCGCTAGACCAGTG

AGCTTTAACGCCTCCGACTTCACCGCCGATCCCGACTGGGAGGCTGCCAGGGCAA  
CCTGGTACGGTGCGCCACCGGGCGCCGGCCCTGATGACGACGGTACGTATACATG  
AACGCCGCCGGTGCATGCATGGTCTCATTGTGTGTGCATGCACTGCATATAG  
CGTTGTTTTGAACCGAGTCTGAACTACAGTGCGCCGCCGCGTTCTGCATGCAGG  
TGGCGCCTGTGGATTCAAGAACGTGAACCTGCCGCCGTTCTCGGCAATGACATCG  
TGCGGCAACGAGCCCTTGTTCAAGGACGGCAAGGGCTGCGGGCTCCTGCTACCAGG  
TACACTCCTACGTAGCTAGATTGGTTGGTCAGACAAAGATCCTTTAATTTGGTGCC  
TGCCTTAATGGAAACGAAAAGCTGAAGGCTGAAGCATAGTTTTGACTTTCGACTA  
ACCAACTCCGTTTTACTTTCTTTTTTTTTCCAGATACGATGCCAAAACAACGATGCC  
TGCTCCGGCAACCCTGAGACGGTGATCATACTGACATGAACTACTACCCCGTGT  
CCAAGTATCACTTCGACCTCAGCGGCACGGCGTTTCGGCGCCATGGCCAAGCCCGG  
CCGACGACGAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGGTG  
GGTAACACGCAACGCTCGTTGCACAGAATCAACACGCACAGTCGACCCGGCTGAT  
GATCAGCTGGAGGCCCTACACCAACAGAATCATATCTCGAGACCGTCTAGCTAAT  
ACTTAATTTTGCCGTGGAGCCCTTGTACTTTTGCTCAACAACTCTAACGATAACG  
ACCGGTTGATTTTTATTTTTATTTTTCTGACGGGCCCATGTAGATTCAATTCGCA  
CAAATATTAGTAGTACTTCCGCTTTACAATTTGGCGCGTCTGCGTGCGGATGTGTC  
TGCCTGTGGACAAAGTGTTCTGAAGCTCTTGCCTAATCCAAGCATATCACATGGC  
TTGTTCCCTGTGTCTGTAGGGTGCCCTGCAACTACCCCGGGCAGAAGGTGACGTTC  
CACGTGGAGGAGGGCTCCAACCCCGTCTACTTCGCGGTGCTCGTCGAATTCGAAG  
ACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGAGGCCAACTCCGGGTTCGT  
GGACGCCGATGCGCGAGTCCTGGGGATCCATCTGGAGGCTGGACTCCGGCCACC  
GCCTCACCGCGCCGTTCTCCCTGCGCATCACCAACGAGTCCGGCAAGACGCTGGT  
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GTCCAGTATTAGCAATATATACCCTGCTGCGCACAATAATAATTCTGTGTCAATTGT  
GGTTGATTAGTAGTTTGGTACTAGTATTGTATTGCTGCATGGACTGATGAGCTACT  
GATGAGGTGCGCTCAGTCAGTTACTAGTAAGGGTGTGGTGGTGGCTGGCTTCTT  
TAATTCAGGGATTTGAAGACTGGGGAAATGGAGGAAGCAAAGTTAATTTGCAA  
TGCTTTCCCGCCCATTTGTCAATGCATGTACCAGTGCGATTAAGATTATAATTATTA  
ATCGTATTTTGTGCC