

## IDENTIFICATION

**Species:** *Setaria italica*

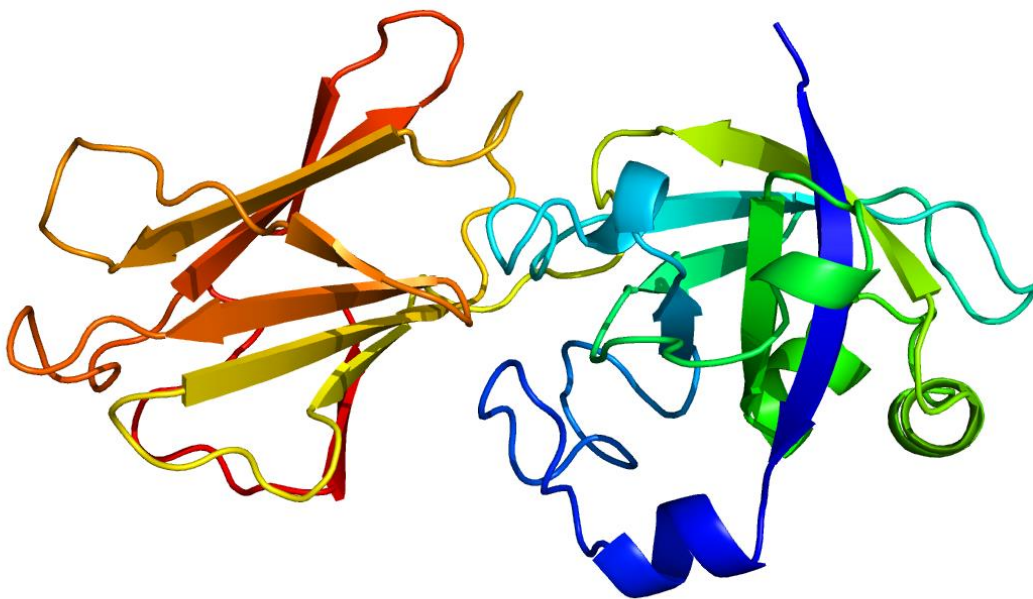
**Locus:** Seita.7G190800

**Gene Model:** Seita.7G190800.1.p

**Description:** SitEXPB-14

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

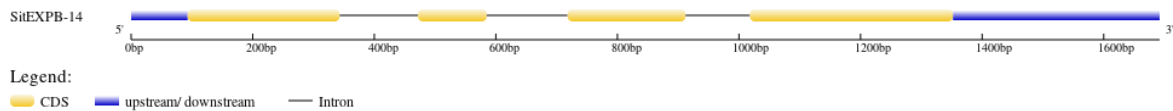
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

KEGG: <https://www.genome.jp/entry/gn:T02818>

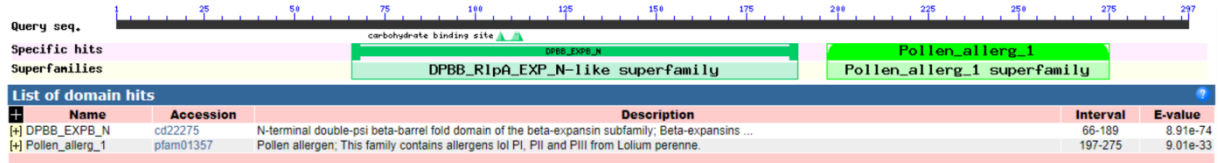
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-14

MASTTSRRPSALRFAVVAASVILSLVASPVSCDDGAPEPMVDHSRQRNDTASRRNL  
WAPARGYGWSYGGATWYGSPYGAGSDGGACGYQGAVSQRPFKSMIAAGGPSLFKN  
GQCGACACYQIKCTGNRACSGRPVIVTITDSCPGGACLAESTHFDMSGTAFGAMANHG  
MADRLRSAGILKIYKRVPCKEYSGMAITFKVDAGSNPYYLAVLIMYVSGEGDISKVD  
IMQAGCNSWTPMQQSWGAVWRVNSNNGQPLRAPFSVRITSGSGKVLVARNAIPAR  
WGAGATYRSTVNYGY\*

### CDS (coding sequence)

>SitEXPB-14

ATGGCCAGTACTACTAGTCGTCGTCCAAGCGCACTCCGGTTTGCCGTGGTCGCCG  
CGGCCTCAGTGATCCTATCGCTTGTTGCGAGCCCCGTCTCCTGCGACGACGGCGC  
TCCCGAGCCCATGGTTGATCACTCGCGGCAGCGGAACGACACCGCCAGCAGGAG  
GAACCTCTGGGCGCCGGCCCGCGGCTACGGCTGGTCCTACGGCGGGCGGACGTG  
GTACGGCAGCCCCTATGGCGCCGGCAGCGACGGTGGCGCGTGGCGGTTACCAAGG  
CGCCGTCAGCCAGCGCCCCTCAAGTCGATGATCGCCGCCGGCGGGCCTTCCCTC  
TTCAAGAACGGCCAAGGATGCGGCGCATGCTATCAGATTAAGTGCACCGGCAAC  
AGAGCCTGCTCCGGCCGTCCAGTGATCGTCACCATCACCGACTCCTGCCCCGGCG  
GTGCTGCCTCGCCGAGTCGACGCACTTCGACATGAGCGGCACGGCCTTCGGCGC  
CATGGCCAACCACGGCATGGCCGACCGCCTCCGCTCCGCCGGAATCCTCAAGATA  
CAATACAAAAGGGTGCCTTGCAAGTACAGCGGCATGGCCATCACCTTCAAGGTG  
GACGCGGGCTCCAACCCCTACTACCTCGCCGTGCTCATCATGTACGTGAGCGGCG  
AGGGTGACATCTCCAAGGTGGACATCATGCAGGCCGGCTGCAACTCGTGGACGC  
CGATGCAGCAGTCGTGGGGCGCCGTCTGGCGCGTCAACTCAAACAACGGCCAGC  
CGCTGCGCGGCCCTTCTCCGTCCGCATCACCTCGGGCTCCGGCAAGGTGCTCGT  
CGCCAGGAACGCCATCCCCGCCAGGTGGGGCGCCGGGGCGACCTACAGGTCCAC  
GGTGA ACTACGGCTACTGA

### Nucleotide

>SitEXPB-14

AGCTGACCTCGCAAGTCCCGGCTTCTCTCGATCAAGCCGTAGCCCCGGCTTCTCTC  
GATCCATATCGCCGATCAAGCAGGAGACGCTCGATCAATGGCCAGTACTACTAGT  
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CGCTTGTTGCGAGCCCCGTCTCCTGCGACGACGGCGCTCCCGAGCCCATGGTTGA  
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CCGCGGCTACGGCTGGTCCTACGGCGGGCGGACGTGGTACGGCAGCCCCTATGGC  
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AGCGGCACGGCCTTCGGCGCCATGGCCAACCACGGCATGGCCGACCGCCTCCGCT  
CCGCCGGAATCCTCAAGATAACAATAAAAAGGTGCCATTTTCGTTTTAACTGACAG  
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TTAGAACAAAGATATGGCAATACAGAGTGTTAAGTGCTTGTG