

## IDENTIFICATION

**Species:** *Setaria italica*

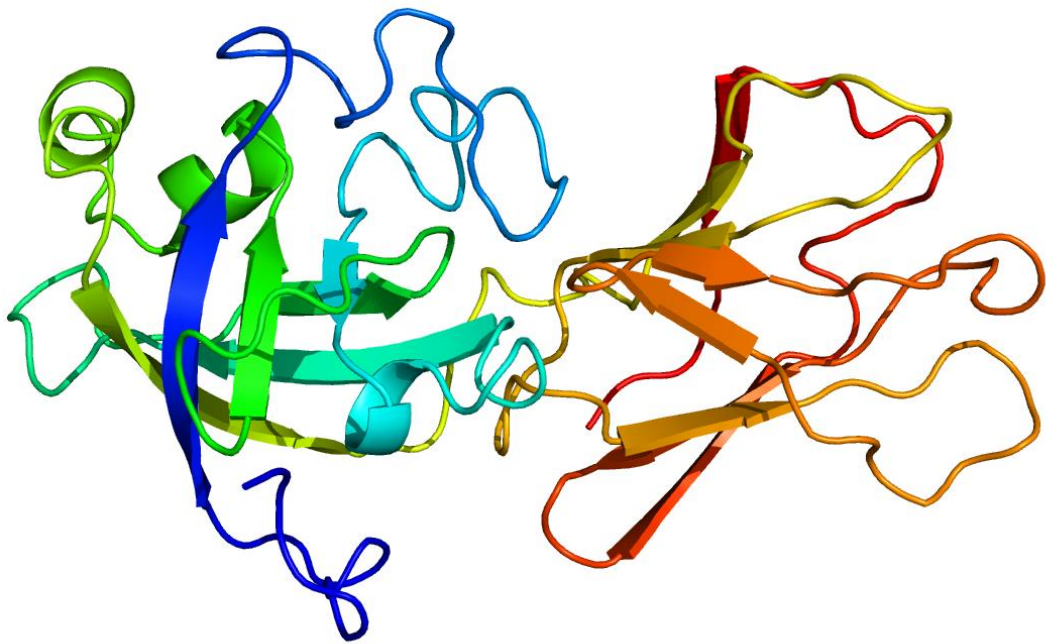
**Locus:** Seita.6G040200

**Gene Model:** Seita.6G040200.1.p

**Description:** SitEXPB-10

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

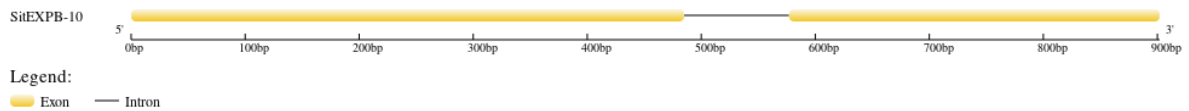
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

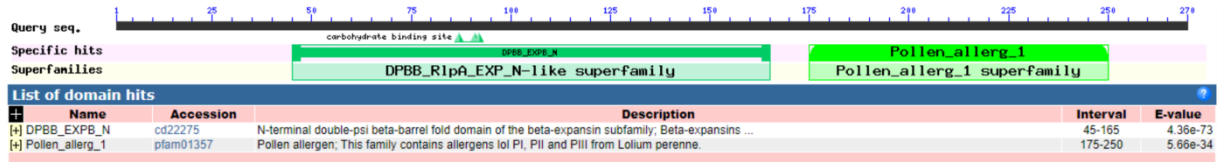
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-10

MGSLMPNVVVVVA AVAAVLA VHVAGVSCWAPPGNITTDYNGRWLPARATWYGG  
QPTGAGPDDNGGACGIKDVNLPPYAAMTSCGNLPLFKDGGKGCSCYEIKCKVPECSI  
QPVRVFITDMNYGPVAPYYFDLSGTAFGSMAKPGLNDQLRRRGIIDLDFRRVPCKYV  
AGQRIVFHVEEGSNPFYLA VLVKFVAVDGSIVQMDLKDQASPEWQPMRHSWGAVW  
RSDTPRPLKGPFSIRLTSESGKTLVATDVIPEKWQPNTVYNSNIQF\*

### CDS (coding sequence)

>SitEXPB-10

ATGGGATCCCTGATGCCCAACGTCGTCGTCGTCGTCGCCGCCGTTGCCGCCGCCG  
TCCTGGCGGTGCACGTGGCCGGCGTGTCTGTGCTGGGCGCCGCCGGGCCCAACAT  
CACGACGGACTACAACGGCAGGTGGCTCCCTGCGAGGGCCACCTGGTACGGCCA  
GCCACCGGCGCCGGGCCCGACGACAACGGCGGCGCGTGCGGGATCAAGGACGT  
GAACCTGCCGCCCTACGCCGCCATGACGTCCTGCGGCAACCTCCCGCTCTTCAAG  
GACGGCAAGGGCTGCGGCTCCTGCTACGAGATCAAATGCAAGGTGCCTGAGTGC  
TCGATCCAGCCGGTGAGGGTGTTTCATCACCGACATGAACTACGGCCCCGTCGCCC  
CCTACTACTTCGACCTCAGCGGCACCGCGTTCGGCTCCATGGCCAAGCCCGGCCT  
CAACGACCAGCTCCGCCGCCGCGGCATCATCGACCTCGACTTCAGGAGGGTGCCG  
TGCAAGTACGTGGCCGGGCAGAGAATCGTGTTCCACGTGGAGGAAGGGTCGAAC  
CCGTTCTACCTGGCGGTGCTGGTGAAGTTCGTGGCGGTGGATGGCAGCATCGTGC  
AGATGGACCTCAAGGACCAGGCGTCGCCGGAGTGGCAGCCGATGAGGCACTCCT  
GGGGCGCTGTCTGGAGGTCCGACACGCCAGGCCGCTCAAGGGCCCCTTCTCCAT  
TCGCCTCACCAGCGAGTCCGGCAAGACGCTCGTCGCCACCGACGTCATCCAGAG  
AAGTGGCAGCCCAACACCGTCTACAACCTCCAACATCCAGTTCTAG

### Nucleotide

>SitEXPB-10

ATGGGATCCCTGATGCCCAACGTCGTCGTCGTCGTCGCCGCCGTTGCCGCCGCCG  
TCCTGGCGGTGCACGTGGCCGGCGTGTCTGTGCTGGGCGCCGCCGGGCCCAACAT  
CACGACGGACTACAACGGCAGGTGGCTCCCTGCGAGGGCCACCTGGTACGGCCA

GCCCACCGGCGCCGGGCCCCGACGACAACGGCGGGCGCGTGCGGGATCAAGGACGT  
GAACCTGCCGCCCTACGCCGCCATGACGTCCTGCGGCAACCTCCCGCTCTTCAAG  
GACGGCAAGGGCTGCGGCTCCTGCTACGAGATCAAATGCAAGGTGCCTGAGTGC  
TCGATCCAGCCGGTGAGGGTGTTTCATCACCGACATGAACTACGGCCCCGTCGCCC  
CCTACTACTTCGACCTCAGCGGCACCGCGTTCGGCTCCATGGCCAAGCCCCGGCCT  
CAACGACCAGCTCCGCCGCCGCGGCATCATCGACCTCGACTTCAGGAGGTCCGAT  
CCGATCCATCATTATTAATTGCTCACCGAGTCACCACCAACAATGCCATGGATTAC  
ATACCATGAACTGCCTGCTGCATAATGCAGGGTGCCGTGCAAGTACGTGGCCGGG  
CAGAGAATCGTGTTCCACGTGGAGGAAGGGTCGAACCCGTTCTACCTGGCGGTGC  
TGGTGAAGTTCGTGGCGGTGGATGGCAGCATCGTGCAGATGGACCTCAAGGACC  
AGGCGTCGCCGGAGTGGCAGCCGATGAGGCACTCCTGGGGCGCTGTCTGGAGGT  
CCGACACGCCAGGCCGCTCAAGGGCCCCTTCTCCATTCGCCTCACCAGCGAGTC  
CGGCAAGACGCTCGTCGCCACCGACGTCATCCCAGAGAAGTGGCAGCCCAACAC  
CGTCTACAACCTCCAACATCCAGTTCTAG