

## IDENTIFICATION

**Species:** *Setaria italica*

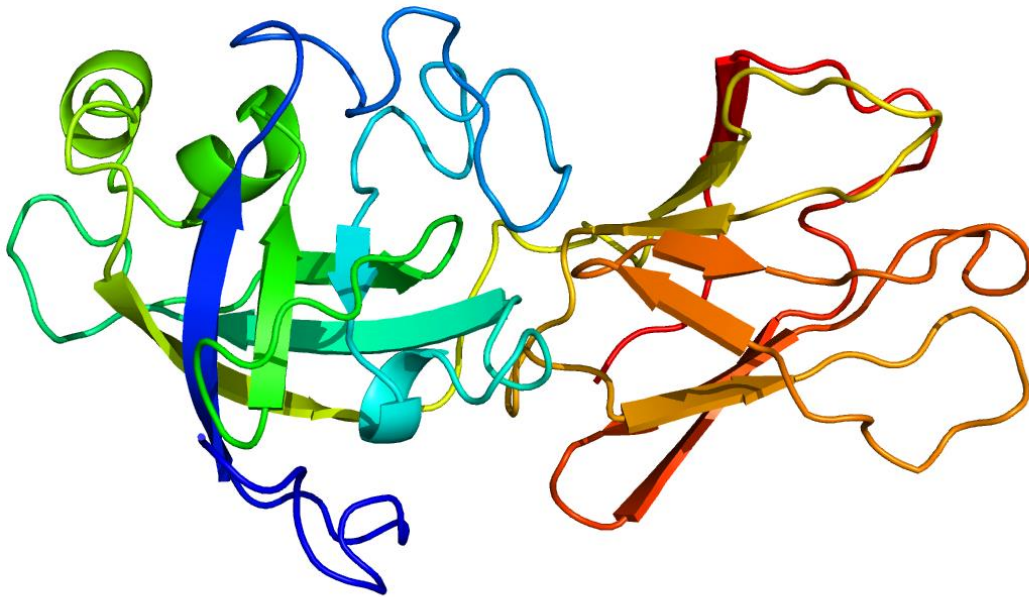
**Locus:** Seita.9G332700

**Gene Model:** Seita.9G332700.1.p

**Description:** SitEXPB-28

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

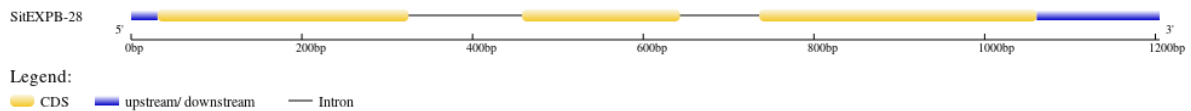
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

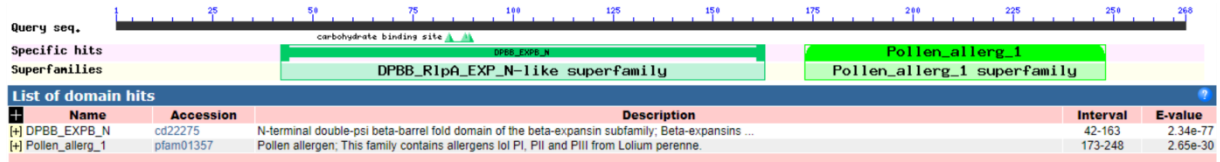
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-28

MGSLANIVAVAAVLAALGGGGSCGPPKFPNITASYTGWLPARATWYGKPTGA  
GPDDNNGACGIKDVNLPYSGMTACGNVPIFKDGGKCGSCYEIRCKAPVECSNQPV  
VFITDMNYEPIAPYHFDLSGKAFGALAKPGLNDKLRHAGIIDLEFRRVRCKYTGQKI  
VFHVEKACNPNYLAVLVKQVADDGDIVQMEKDKASPEWRPMKLSWGAIWRMDTP  
KELKGPFSIRITSESGKKLVATDVIPANWKADTAYQSNIQF\*

### CDS (coding sequence)

>SitEXPB-28

ATGGGATCCCTCGCCAACATCGTGGCCGTGGCGGCCGTCCTGGCGGCGCTCGGCG  
GCGGCGGCTCGTGCAGGGCCCCGAAGTCCCAGCCGCCCCAACATCACGGCCAG  
CTACACCGGCAAGTGGCTCCCCGCCAGGGCCACCTGGTACGGCAAGCCACCGG  
CGCCGGCCCCGACGACAACGGCGGCCTGCGGCATCAAGGACGTGAACCTGCC  
GCCCTACAGCGGCATGACCGCCTGCGGCAACGTCCCCATCTTCAAGGACGGCAAG  
GGCTGCGGCTCATGCTACGAGATCAGATGCAAGGCGCCGGTGGAGTGCTCTAACC  
AGCCGGTGACGGTGTTCATCACCGACATGAACTACGAGCCCATCGCCCCCTATCA  
TTTCGACCTCAGCGGCAAGGCCTTCGGCGCCCTGGCCAAGCCCGGCTCAACGAC  
AAGCTCCGCCACGCCGGGATCATCGACTTGGAGTTCAGGAGGGTTCGGTGCAAGT  
ACACCGGTGGGCAGAAGATCGTGTTCACGTGGAGAAGGCGTGCAACCCCAACT  
ACCTGGCGGTGCTAGTCAAGTTCGTCGCTGACGACGGCGACATCGTGCAGATGGA  
GCTCAAGGACAAGGCGTCGCCGGAGTGGAGGCCGATGAAGCTCTCCTGGGGCGC  
CATCTGGAGGATGGACACGCCCAAGGAGCTCAAGGGCCCCTTCTCCATCCGCATC  
ACCAGCGAGTCCGGCAAGAAGCTCGTCGCCACCGACGTCATCCCGGCCAACTGG  
AAGGCCGACACGGCCTACCAGTCCAACATCCAGTTCTAG

### Nucleotide

>SitEXPB-28

ACAAGCACATTTCGAATAACAGTTTGGCAGAGATGGGATCCCTCGCCAACATCGTG  
GCCGTGGCGGCCGTCCTGGCGGCGCTCGGCGGCGGCGGCTCGTGCGGGCCCCCG  
AAGTCCCAGCCGCCCCAACATCACGGCCAGCTACACCGGCAAGTGGCTCCCCG

CCAGGGCCACCTGGTACGGCAAGCCCACCGGCGCCGGCCCCGACGACAACGGCG  
GCGCCTGCGGCATCAAGGACGTGAACCTGCCGCCCTACAGCGGCATGACCGCCTG  
CGGCAACGTCCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACGAGGTG  
CGCGCATTGCTTGCACATTGCATTGCGTGACGTATTCGCGTGCGTGCACAGCCAG  
CACACAGGGCGGTTCTTGAAATATACTAGATGTTATATATAATATATAAACTGCT  
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GCCGGTGACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCCCCCTATCAT  
TTCGACCTCAGCGGCAAGGCCTTCGGCGCCCTGGCCAAGCCCGGCCTCAACGACA  
AGTCCGCCACGCCGGGATCATCGACTTGGAGTTCAGGAGGTCATTACATTGCTC  
GATCTATCAAACTCATCCACGATCTGTGCAAGCCGTACGTGCAAAAGGTGACAG  
TGTATCAACTGTGCGGCCTGCAGGGTTCGGTGCAAGTACACCGGTGGGCAGAAG  
ATCGTGTTCCACGTGGAGAAGGCGTGCAACCCCAACTACCTGGCGGTGCTAGTCA  
AGTTCGTCGCTGACGACGGCGACATCGTGACAGATGGAGCTCAAGGACAAGGCGT  
CGCCGGAGTGGAGGCCGATGAAGCTCTCCTGGGGCGCCATCTGGAGGATGGACA  
CGCCCAAGGAGCTCAAGGGCCCCTTCTCCATCCGCATCACCAGCGAGTCCGGCAA  
GAAGCTCGTCGCCACCGACGTCATCCCGGCCAACTGGAAGGCCGACACGGCCTA  
CCAGTCCAACATCCAGTTCTAGATTTCTACCCTTGCATTGATCCGTGCCGCAGG  
AAGTGGTCGCCGATTCGCCGTTAACCATATTGACATTATTTCTGAATTCTGATTTG  
TAACCCTTTGATATATTTCTGACACAGGCTCACCTTTTGTTCGGGTCCATGAAT