

## IDENTIFICATION

**Species:** *Setaria italica*

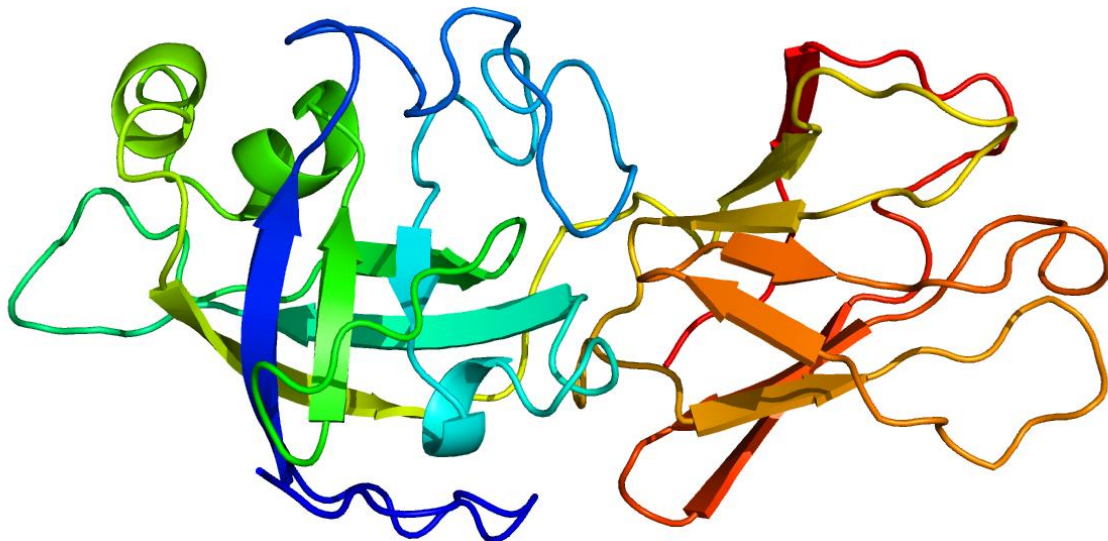
**Locus:** Seita.9G326700

**Gene Model:** Seita.9G326700.1.p

**Description:** SitEXPB-24

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

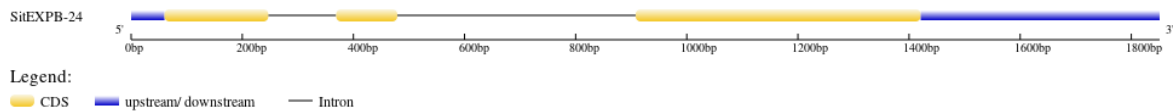
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

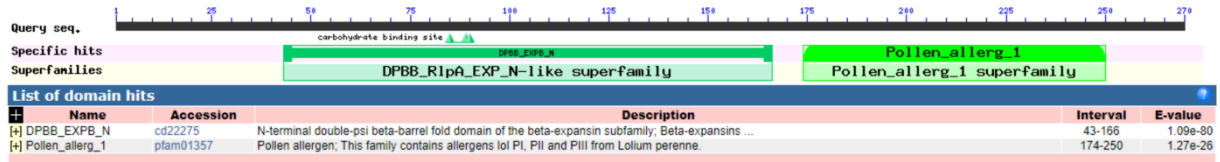
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-24

MAARAAALVVALLAVLVAHGVRAHPELNHTSSAARQLRGS GGWLPKATWYGAP  
NGAGPDDNGGACGFKHTNQYPFMSMTSCGNQPLFKDGGCGACYQIKCTNKNNPA  
CSGQPKTVMITDMNYYPVAKYHFDLSGTAFGALARPGLNDLLRHAGIIDIEFRRVSC  
DNRGLTINFHVEQGSNPVYLAVLVQYANKEGTVSQMDLLESGSRYWTPMRRSWGS  
VWRLDSNHPLRAPFSLRIRGESRRTLVAYNVIPANWRPNTDYRSYVQY\*

### CDS (coding sequence)

>SitEXPB-24

ATGGCCGCCCGGGCAGCTGCACTCGTCGTCGCCCTCCTCGCCGTGCTTGTCGCC  
ATGGCGTCCGAGCACACCCGGAGTTGAACCACACCTCCTCCGCCGCCCGCCA  
CCGCGGCTCCGGAGGCTGGCTCCCGGCCAAGGCCACATGGTACGGCGCGCCAA  
CGGCGCCGGCCCCGACGACAACGGTGGCGCGTGC GGGTTCAAGCACACGAACCA  
GTACCCGTTTCATGTCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAAGGACGGC  
CAGGGCTGCGGAGCATGCTACCAGATAAAGTGCACCAACAAGAACAACCCCGCC  
TGCTCCGGCCAGCCCAAGACGGTGATGATCACGGACATGAACTACTACCCGGTGG  
CCAAGTACCACTTCGACCTGAGCGGCACTGCGTTCGGCGCGCTGGCGCGGCGGG  
CCTGAACGACCTGCTCCGGCACGCCGGCATCATCGACATCGAGTTCGGCGGGTG  
TCCTGCGACAACCGGGGCTGACCATCAACTTCCACGTGGAGCAGGGGTCCAACC  
CCGTGTACCTCGCCGTGCTGGTCCAGTACGCCAACAAGGAAGGCACCGTGTGCA  
GATGGACCTCCTCGAGTCCGGTCCCGCTACTGGACGCCGATGCGCCGCTCCTGG  
GGCTCCGTCTGGCGCCTCGACTCCAACCACCCGCTGCGCGCGCCCTTTTCCCTGCG  
CATCCGCGGCGAGTCACGCAGGACGCTCGTCGCCTACAACGTCATCCCGGCCAAC  
TGGAGGCCAACACCGACTACCGCTCCTACGTCCAGTACTAA

### Nucleotide

>SitEXPB-24

AACACATAAGCCAACAAGTACACAGACAGAAGGTTCTTCTTGGCTTACAAGCTGA  
GATAGATGGCCGCCCGGGCAGCTGCACTCGTCGTCGCCCTCCTCGCCGTGCTTGT  
CGCCCATGGCGTCCGAGCACACCCGGAGTTGAACCACACCTCCTCCGCCGCCCGC

CAACTCCGCGGCTCCGGAGGCTGGCTCCCGGCCAAGGCCACATGGTACGGCGCG  
CCCAACGGCGCCGGCCCCGACGACAACGGTATGTATGCGTTCGTTGCCGCTAATT  
AGCGCTGTCGTGTTAACATGATGTTGCATTGGTTTCGCATGCCGTGTGCCGTGGTG  
GCTGACATTGTGTCGTGCATCCCCCGATGGTTTCTGCAGGTGGCGCGTGCGGGT  
CAAGCACACGAACCAGTACCCGTTTCATGTCCATGACGTCGTGCGGCAACCAGCCC  
CTGTTCAAGGACGGCCAGGGCTGCGGAGCATGCTACCAGGTATCTCCGTTTTAAA  
TTATAAATTATTTTAATTTTTTTGAAAGTCAAATCATTTTATATTTGACTTAAATCA  
TATGGCATCAAATAGATATACTATAAAAATATATTTAATGAAGAACTAATAGTA  
TTTATTTGGTATCTTAATATTTTATTATATAAATTTAGTCAAAGATGATATTTTGGT  
TCTAAAAATAACGGGAGGAGTAGCGGTTAAATTACCCGGATCATTTAATTCACAA  
GATCGCTCGGTCAAATGTACAGACCTACACTGCCAGAGTAGTAGAAGTAGTATAT  
TTTTTCCTCGAAGTTAACGACATTTTTTTAGTAGCCACTAGACTGAGGACTACTAGA  
ATTAATTCTCGAAGTCAAACATAAACAATGCAAAGCGCATCTTTTCACGTTCTCTGC  
TAACTTAATTACTAAACTCCAGATAAAGTGCACCAACAAGAACAACCCCGCCTGC  
TCCGGCCAGCCCAAGACGGTGATGATCACGGACATGAACTACTACCCGGTGGCC  
AAGTACCCTTCGACCTGAGCGGCACTGCGTTCGGCGCGCTGGCGCGGCCGGGCC  
TGAACGACCTGCTCCGGCACGCCGGCATCATCGACATCGAGTTCGGCGGGGTGTC  
CTGCGACAACCGGGGCCTGACCATCAACTTCCACGTGGAGCAGGGGTCCAACCC  
GTGTACCTCGCCGTGCTGGTCCAGTACGCCAACAAGGAAGGCACCGTGTGCGAGA  
TGGACCTCCTCGAGTCCGGCTCCCGCTACTGGACGCCGATGCGCCGCTCCTGGGG  
CTCCGTCTGGCGCCTCGACTCCAACCACCCGCTGCGCGCGCCCTTTTCCCTGCGCA  
TCCGCGGCGAGTCACGCAGGACGCTCGTCGCCTACAACGTCATCCCGGCCAACTG  
GAGGCCAACACCGACTACCGCTCCTACGTCCAGTACTAATCAGCTTGGTGGGTT  
CGGTTGTTGATTTTATTTTGGTACCGTACCGTGTGATTATTGCAAATTTTCATTTTG  
CAATGGGTTTGGCGATTTTTTTCAGTAACGTGTGTGTGTCCCTTGTGTGTGTGCGCGCG  
CGCGCACTTGGGGCGCGTGGGAAATGGAGGAGGCAAAGTGTGTTATACATGTGT  
GCTAGCTCTCCCGCCACCGGCCGAAAGTGCGTACAACACTAGTGTGCGTTCATGAC  
TAGAGTGATATACAGCGTGTAACCAAATCGCGGGGGTTATGCCTCGTCAATGGAT  
CATTAAATACTACTTTGTCGATCACATGATTCCGATTATATATTCTAGTAGATGCG  
GATCCACAGCACACTTTATTATGAGCTTTTCAGATCAGAGATCACCGTAGAAACC  
GCATTGCACTGTTTTTACATTAGCAGA