

## IDENTIFICATION

**Species:** *Setaria italica*

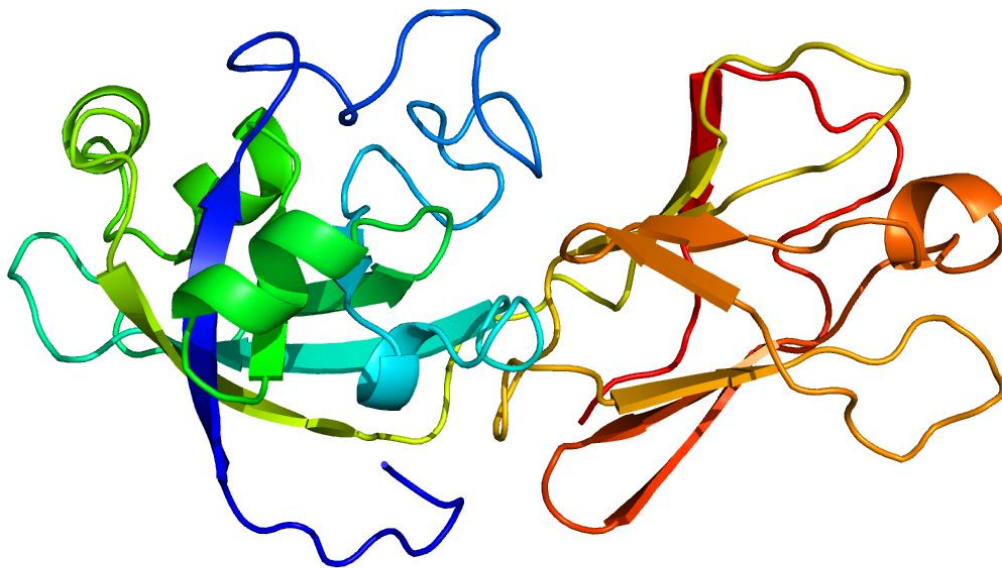
**Locus:** Seita.7G190600

**Gene Model:** Seita.7G190600.1.p

**Description:** SitEXPB-12

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

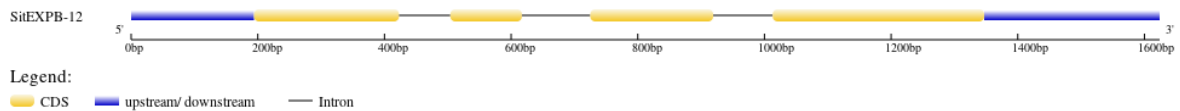
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

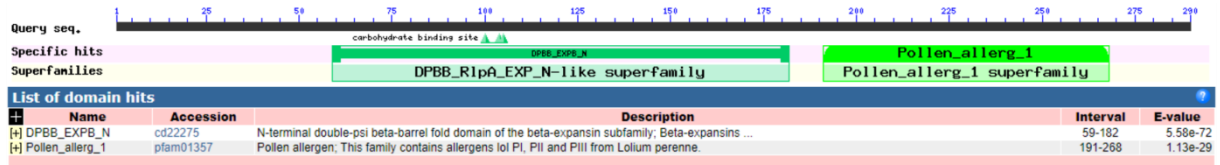
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-12

MAARVAFRIAFAVLPVLSLLLVPISCYGNPRSSMSLRNYTTTSTRYATSVPKAAGG  
WSSGGATWYGSPYGAGSDGGACGYQGSVSQRPFSSLIAAGGPSLFKNGKGCGGCYQ  
IKCTGNRACSGRPVTVTITDSCPGGLCLAGPAHFDMSTAFGAMASRGMGDRRLAA  
GILKIYKRVPCNYNGMGISFKVDAGSNPFYLAVLIQYENGDGDAAVHIMQGGG  
AWTPMQHSWGAMWRANSITGKPLRAPFSVRLTSGAGKVLVVRNAIPAGWRAGR  
TSKRVNYGT\*

### CDS (coding sequence)

>SitEXPB-12

ATGGCTGCTCGAGTTGCATTCCGAATTGCGGCATTCGCCGTGCTGCCAGTCCTGTC  
CCTGCTCCTTGTAAGCCCCATTTCTGCTACGGGAATCCGAGGTCGTCCATGTCTC  
TTCGGAACACTACACCACCAGCCGGTACGCCACCTCGGTGCCGGCCAAAGCCGC  
CGGCGGGTGGTCCTCGGGCGGCGGACGTGGTACGGCAGCCCTTACGGCGCCGG  
CAGCGACGGCGGGCGGTGCGGTTATCAAGGTAGCGTCAGCCAGCGGCCGTTCTC  
GTCGTTGATAGCCGCCGGCGGCCCTTCCCTTTTCAAGAACGGCAAAGGCTGCGGC  
GGATGCTATCAGATCAAGTGCACCGGCAACAGAGCCTGCTCCGGCCGGCCAGTG  
ACCGTCACCATCACCGACTCCTGCCCGGCGGGCTGTGCCTCGCCGGGCGGCGC  
ACTTCGACATGAGCGGCACGGCCTTTGGCGCCATGGCCAGCCGTGGCATGGGCGA  
TCGCTACGCGCCGCCGAATCCTCAAGATCCAATACAAGAGGGTGCCGTGCAAC  
TACAATGGCATGGGAATCTCCTTCAAGGTTGACGCGGGCTCCAACCCATTCTACC  
TCGCCGTGCTGATCCAGTACGAGAACGGCGACGGTGACCTCGCCGCTGTGCACAT  
CATGCAGCAGGGCGGTGGCGCCTGGACGCCGATGCAGCACTCGTGGGGCGCGAT  
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CTCACCTCGGGCGCCGGCAAGGTGCTCGTCGTCAGGAACGCCATACCCGCCGGTT  
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### Nucleotide

>SitEXPB-12

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AGTGTGCATTCTCTTTCTAACCCTATAATTTTTGTGCGTACTGCATGTTGTGGTA  
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TCACCATCACCGACTCCTGCCCCGGCGGGCTGTGCCTCGCCGGGCCGGCGCACTT  
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CCTTCAAGGTTGACGCGGGCTCCAACCCATTCTACCTCGCCGTGCTGATCCAGTA  
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TCGTTTTGTCCATCTCTAAAGCAGAGACTGTAACCTTGAATCAGAATGCTGTTTA  
GTGATACCAAGACATTAATTTCAAACC