

## IDENTIFICATION

**Species:** *Setaria italica*

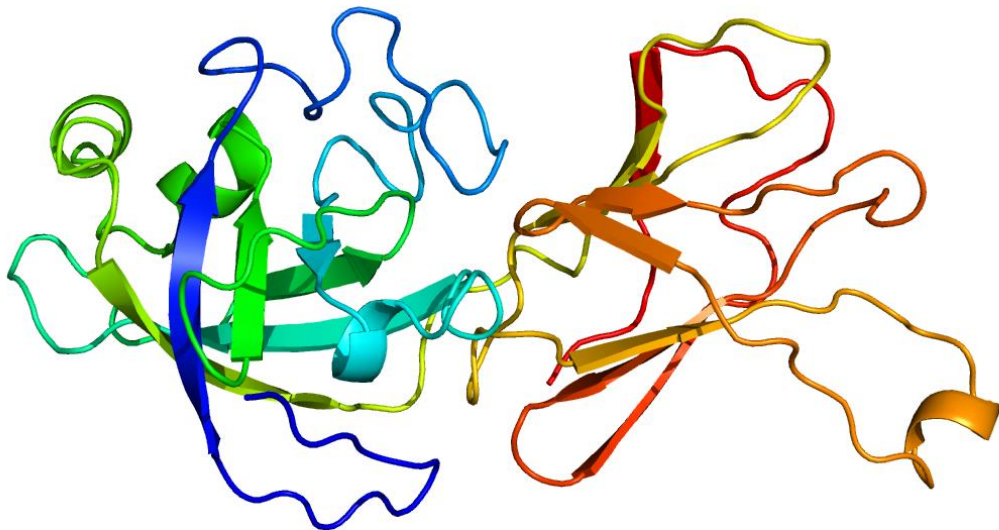
**Locus:** Seita.9G577300

**Gene Model:** Seita.9G577300.1.p

**Description:** SitEXPB-31

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

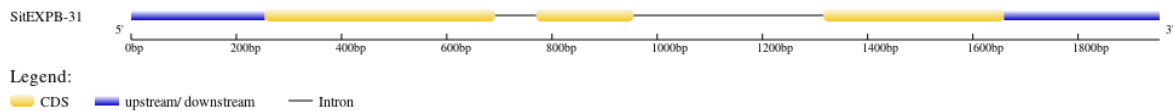
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

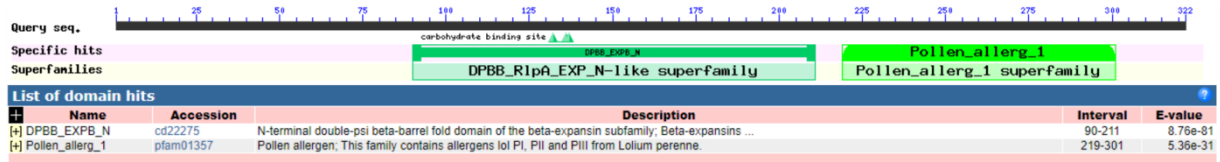
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPB-31

MASSYKQKQRAVAAALLFLLVAHASCSTKQHKSSKQHKAAHAAPIPTTPPATAPTTTP  
 PPPSSYSSPPSGGGGYPPANNGSGADSGSAGGWLNARATWYGAPNGAGPDDNGGAC  
 GFKGVNMPPFSAMTSCGNEPLFKDGGKGCSCYQIRCLAHPACSGIPETVIITDMNYYP  
 VAPYHFDLSGTAFGAMAKDDRNDLRHAGIIDIQFKRVACQYPGLTVTFHIERGSNP  
 NYLAVLVEYSNGDGDVVQVDLMESRAEDGEPTGVWPEMRESWGSIWMDTRRPLQ  
 GPFSLRVTNESGKTLVADNVIPADWQPDSVYSSIVQFD\*

### CDS (coding sequence)

>SitEXPB-31

ATGGCCTCCTCCTACAAGCAGAAGCAGCGTGCCGTCGCGGCCGCGCTGCTCTTCC  
 TGCTGGTGGCTCACGCCAGCTGCTCCACCAAGCAGCACAAAGAGCAGCAAGCAGC  
 ATAAGGCCACGCGCCCTATTCCAACGACGCCGCCGGCGACGGCTCCAACAAC  
 GACCCCTCCTCACCATCGAGTTACTCCAGTCTCCAGCGGGCGGGCGGCTAC  
 CCGCCGGCCAACAACGGCAGCGGCGCCGACTCAGGTAGTGCTGGGGGTGGCTG  
 AACGCCCGCGCGACGTGGTACGGCGCCCCAACGGCGCCGGCCCCGACGACAAC  
 GGCGGCGCCTGCGGGTTCAAGGGCGTCAACATGCCGCCCTTCTCGGCCATGACAT  
 CCTGCGGGAACGAGCCACTCTTCAAGGACGGCAAAGGATGCGGATCATGCTACC  
 AGATCCGGTGCTTGGCCACCCTGCTTGCTCCGGCATCCCCGAGACGGTGATCAT  
 CACAGACATGAACTACTACCCGGTGGCCCCCTACCACTTCGACCTCAGCGGCACG  
 GCCTTCGGCGCCATGGCCAAGGACGACCGCAACGACGAGCTCAGGCACGCGGGA  
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 GGACGGGGAGCCCACGGGCGTGTGGGAGCCATGCGCGAGTCCTGGGGGTCCAT  
 CTGGCGGATGGACACGCGGCGACCGCTGCAGGGGCCCTTCTCGCTGCGGGTACC  
 AACGAGTCCGGCAAGACGCTGGTGGCGGACAACGTCATCCCGGCGGACTGGCAG  
 CCAGACAGCGTCTACAGCTCCATCGTCCAGTTCGACTAG

### Nucleotide

>SitEXPB-31

CCAAGCAGCAGGTCGATCAAGGGCACAAGCAGCCAGGCGCATGTGAAGTGAGCG  
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GGGCGTCAACATGCCGCCCTTCTCGGCCATGACATCCTGCGGGAACGAGCCACTC  
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