

## IDENTIFICATION

**Species:** *Setaria italica*

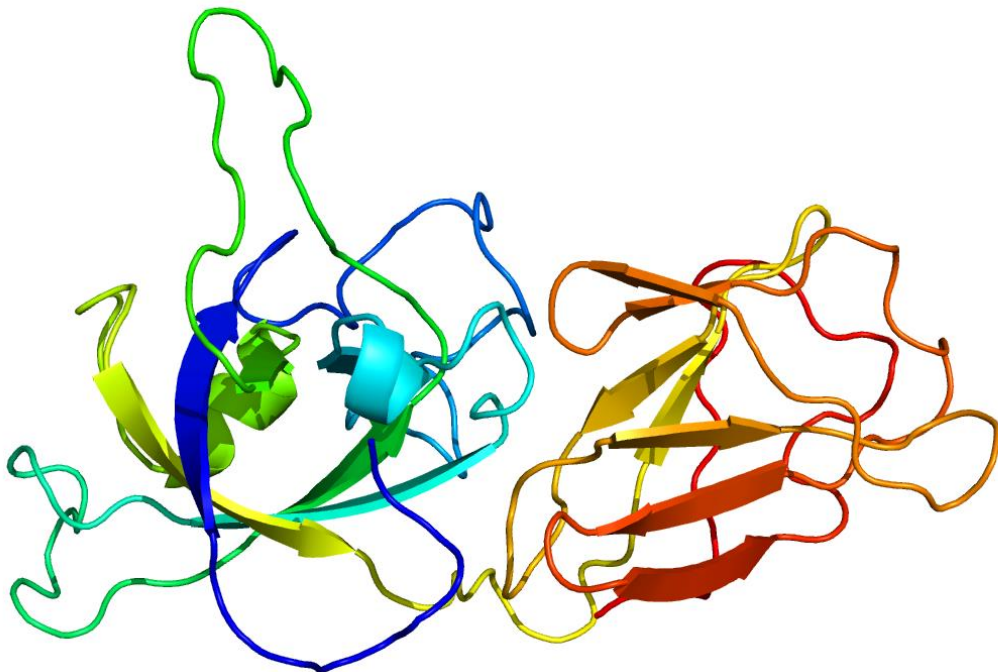
**Locus:** Seita.9G242200

**Gene Model:** Seita.9G242200.1.p

**Description:** SitEXPA-31

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

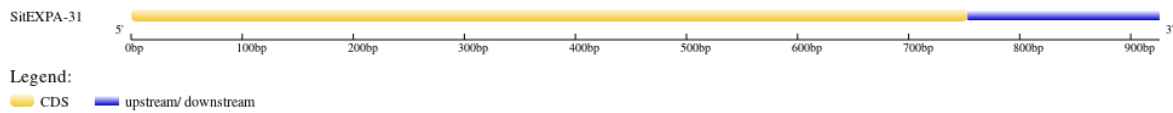
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

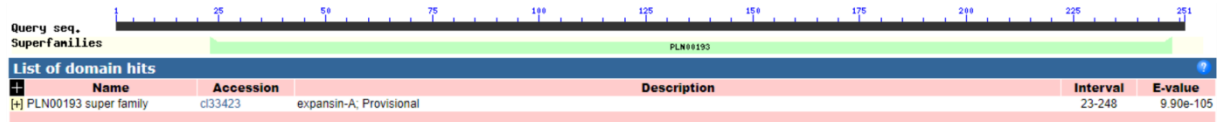
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-31

MAPRWLGMWGVLAACAAAGAAWSPGTATFYGGADGSGTMGGACGYDNLYNAG  
YGINNAALSTVLFNDGASCQCCTITCDGSRPGGQYCKPGNTVTVTATNLCPNYAL  
PNGGWCGPGRPHFDMSQPAWESIGVVQAGIVPVLVEQVKCSRSGGVRFISIAGSNYFL  
LVNIQNLAGSGSVAAAWVKGDKTGWIQMSRNWGANWQALAGLVGQGLSFAVTTT  
GGQYIQFLNAAPAWWQFGQTYNTYQQFVY\*

### CDS (coding sequence)

>SitEXPA-31

ATGGCGCCGAGGTGGTTAGGTATGTGGGGTGTTCTGGCAGCGTGCGCTGCGGCCG  
GCGCCGCAGCGTGGTCACCGGGCACGGCGACCTTCTACGGCGGGGCGGACGGGT  
CCGGGACGATGGGCGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACG  
GCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGGCGCGTCTGCG  
GGCAGTGCTACACCATCACGTGCGACGGCTCACGCCCCGGCGGCCAGTACTGCAA  
GCCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCGCCAAACTACGCG  
CTGCCAACGGCGGCTGGTGC GGCCCGGGGCGCCCTCACTTCGACATGTCGCAGC  
CGGCGTGGGAAAGCATCGGCGTCTCCAGGCCGCATCGTCCCGGTTCTCTACGA  
GCAGGTCAAGTGCTCGCGCAGCGGCGGCGTGCGGTTTCAGCATCGCCGGCTCCAAC  
TACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGCAGCCG  
CCTGGGTGAAGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCG  
CCAACCTGGCAGGCGCTCGCCGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTGAC  
CACCACCGGCGGGCAGTACATCCAGTTCCTGAACGCAGCGCCGGCGTGGTGGCA  
GTTCGGCCAGACCTACAACACATACCAGCAGTTCGTCTACTGA

### Nucleotide

>SitEXPA-31

ATGGCGCCGAGGTGGTTAGGTATGTGGGGTGTTCTGGCAGCGTGCGCTGCGGCCG  
GCGCCGCAGCGTGGTCACCGGGCACGGCGACCTTCTACGGCGGGGCGGACGGGT  
CCGGGACGATGGGCGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACG  
GCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGGCGCGTCTGCG  
GGCAGTGCTACACCATCACGTGCGACGGCTCACGCCCCGGCGGCCAGTACTGCAA  
GCCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCGCCAAACTACGCG

CTGCCAACGGCGGCTGGTGCGGCCCGGGCGCCCTCACTTCGACATGTCGCAGC  
CGGCGTGGGAAAGCATCGGCGTCGTCCAGGCCGGCATCGTCCCGGTTCTCTACGA  
GCAGGTCAAGTGCTCGCGCAGCGGCGGCGTGCGGTTTCAGCATCGCCGGCTCCAAC  
TACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGCAGCCG  
CCTGGGTGAAGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAAGTGGGGCG  
CCAACTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCCGTGAC  
CACCACCGGCGGGCAGTACATCCAGTTCCTGAACGCAGCGCCGGCGTGGTGGCA  
GTTCGGCCAGACCTACAACACATACCAGCAGTTCGTCTACTGATCCATCGATCGA  
CCGATCAGAGCAGAGTTTTGTAATATGTTTCTTGCTTGTGCCTTCTCGTGTTGTCT  
CTGTCTGCGTGGCGGAGTGCCTACGTGTACGCCCATCAAAGATATCTACTACTGT  
AATTAAGTCTTTAACCGAATCAAACCTCCTCAACAAACAAACTCTTCAACT