

## IDENTIFICATION

**Species:** *Setaria italica*

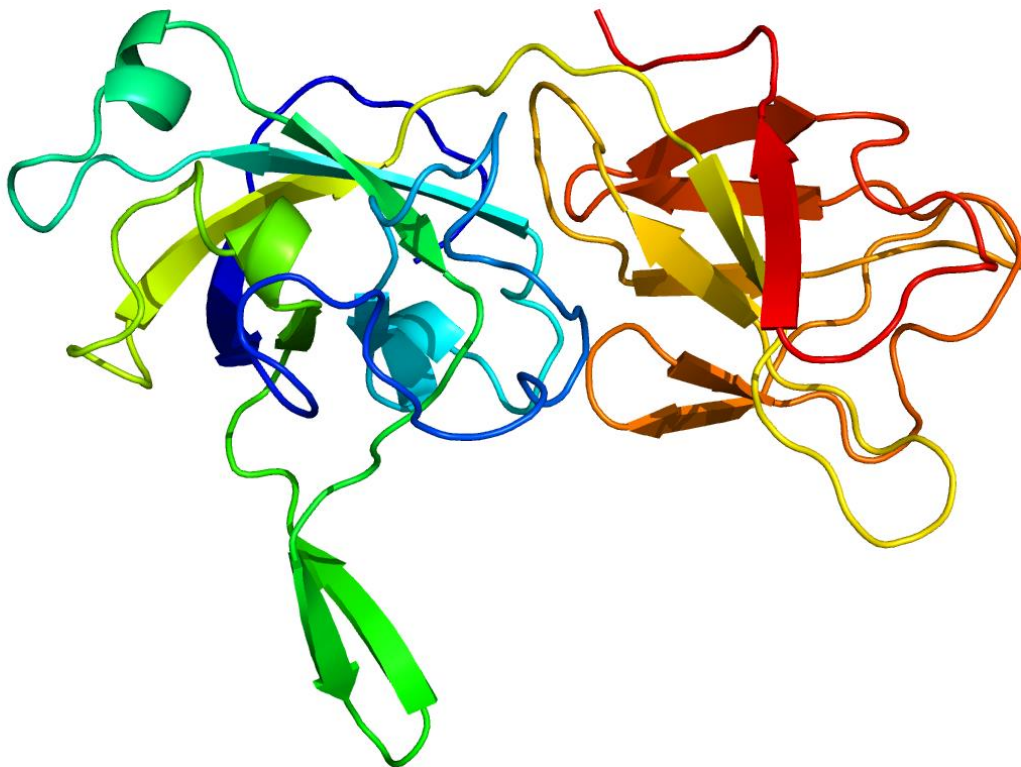
**Locus:** Seita.9G241500

**Gene Model:** Seita.9G241500.1.p

**Description:** SitEXPA-24

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

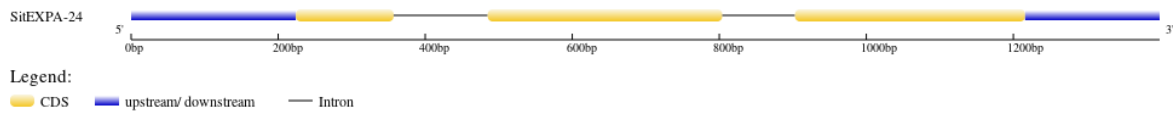
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

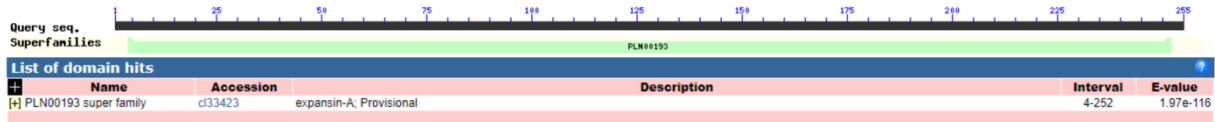
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-24

MGSATAMLLEFVAVAALLATSATAQYWNSGTATFYGGKDGSGTMGGACGYDNLY  
NQQYGVLNAALSQVLFNDGASCGQCYNIKCDTSKSAWCKPGYSVTITATNLCP  
AITTNGGGWCNPPRAHFDMSQPAWEQIGIYRAGIIPVLYQRVPCSRQGGVRF  
TISGFNYFQLVLVTNVAASGSIRSMSVKGANTGWIAMTRNWGALWQCSSALV  
GQGLSFMVIS TGGQTLYMNNVPGWWTFGMATNLQFYQ\*

### CDS (coding sequence)

>SitEXPA-24

ATGGGCAGCGCCACGGCGATGCTGCTTGAGTTCGTCGCCGTTGCCGCGCTTCTCG  
CCACGTCGGCGACGGCGCAGTACTGGAACAGCGGGACGGCGACGTTCTACGGCG  
GCAAGGACGGTCCGGGACGATGGGCGGCGCGTGCGGGTACGACAACCTGTACA  
ACCAGGGGTACGGCGTGCTGAACGCGGCGCTGAGCCAGGTGCTGTTCAATGACG  
GCGCGTCATGCGGGCAGTGCTACAACATCAAGTGCACACCAGCAAGTCCGCGT  
GGTGCAAGCCCGGCTACTCCGTCACCATCACCGCCACCAACCTGTGCCCGCCAA  
CTACGCCATCACCAACGGCGGCGGCTGGTGCAACCCGCCGCGCGCACACTTC  
GACATGTCCCAGCCGGCGTGGGAGCAGATCGGCATCTACCGCGCCGGC  
ATCATCCCGTCCCTACCAGCGGGTGCCGTGCTCCAGGCAGGGAGGGGTGAGGTT  
CACCATCTCCGGGTTCAACTACTTCCAGCTGGTGCTCGTCACCAACGTCGCCG  
CAGCGGCTCCATCCGGTCCATGTCGGTGAAGGGGGCCAACACCGGGTGGATCG  
CCATGACGCGGAACTGGGGCGCGCTGTGGCAGTGCAGCTCGGCGCTCGTCGGC  
CAGGGGCTCTCCTCATGGTCATCTCCACCGGCGGCCAGACGCTGTACATGAACA  
ACGTCGTGCCGGGTGGTGGACCTTCGGCATGACCTTCGCCACCAACCTCCAGT  
TTTACCAATAG

### Nucleotide

>SitEXPA-24

CAATCACCGCCCTATATTCCCTGCCAACGACCATCATTCCGATCATTCCCTGCC  
ATGGTATCGGCCTCGTCAGCTTTCAGTCCTCCTGCTCTTATTTAAGGCGCCGT  
ACTGCCCCGTCCTGGTTCGTAACAATCCATCCACCATCGTCGATCGACTTCTAG  
CTTCTCTTGTCTCTCTCTAGATCCCCAGCTCATCTCACAGGTGCCATCATCG  
CTGCCAACAAAGATGGGCAGCGCCACGGCGATGCTGCTTGAGTTCGTCGCCG  
TTGCCGCGCTTCTCGCCACGTCGGCGACGGCGCAGTACTGGAACAGCGGGAC  
GGCGACGTTCTACGGCG

GCAAGGACGGTTCCGGGACGATGGGTACGTACTGCTACCAATGCAGCATGTCGG  
CGCGCCGCGTCGCAACCAGCAGCCTCCGCCACTGCAGATGGCGAGCTTCATTGCA  
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CACCAGCAAGTCCGCGTGGTGCAAGCCCGGCTACTCCGTCACCATCACCGCCACC  
AACCTGTGCCCCGCCAACTACGCCATCACCAACAGGCGGCGGCTGGTGCAACC  
CGCCGCGCGCACACTTCGACATGTCCCAGCCGGCGTGGGAGCAGATCGGCATCTA  
CCGCGCCGGCATCATCCCCGTCTCTACCAGCGGTACGTTTCGTCGTAAATGCATT  
ATCGATAAACCTCGCCGCCGCCCTCTCGCGACACAGCCCAAGCTTAATTACAT  
TACCATAACCATGGCGTGTGCAGGGTGCCGTGCTCCAGGCAGGGAGGGGTGAGGT  
TCACCATCTCCGGGTTCAACTACTTCCAGCTGGTGCTCGTCACCAACGTCGCCGCC  
AGCGGCTCCATCCGGTCCATGTCCGGTGAAGGGGGCCAACACCGGGTGGATCGCC  
ATGACGCGGAACTGGGGCGCGCTGTGGCAGTGCAGCTCGGCGCTCGTCGGCCAG  
GGGCTCTCCTTCATGGTCATCTCCACCGGCGGCCAGACGCTGTACATGAACAACG  
TCGTGCCGGGGTGGTGGACCTTCGGCATGACCTTCGCCACCAACCTCCAGTTT  
CCAATAGTTCACAGCGCATAATTGCATGTGCGTGTGCCTGCCTCTGGGATTAAT  
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