

## IDENTIFICATION

**Species:** *Setaria italica*

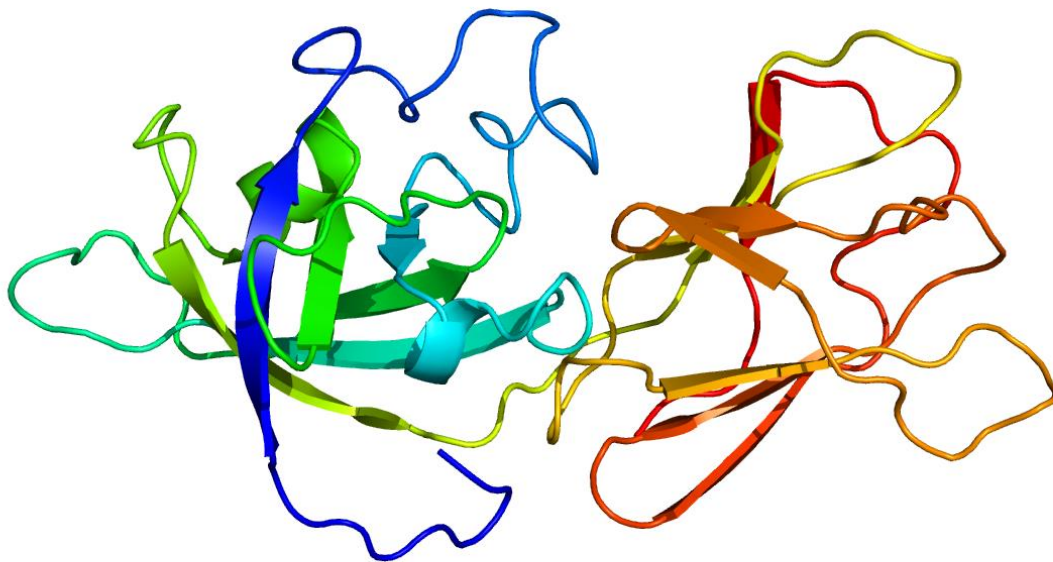
**Locus:** Seita.4G282500

**Gene Model:** Seita.4G282500.1.p

**Description:** SitEXPA-12

**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>

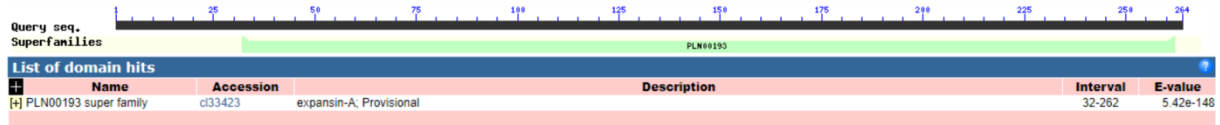
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-12

MARGFKHHLAATAVLVIACALAAAPTAGAFAPSGWSKGSATFYGGSDASGTMGGA  
CGYGNLYTQGYGTRTAALSTALFNDGASCGRCYKLTCDARSDPRWCRRGASVTVT  
ATNFCPPNYALPSDDGGWCNPPRQHFDMAQPAWEKIGVYRGGIVPVLVLFQRVPCRRH  
GGVRFTVAGRDYFELVLLTNVAAAGAVRAMEVRGTRTAGWMTMSRNWGANWQS  
LAYLNGQGLSFRVTTDDGQTIEFADVPPSWNFGQTYASRLQFK\*

### CDS (coding sequence)

>SitEXPA-12

ATGGCCCGCGGCTTCAAGCACCACTCGCGGCCACGGCCGTGCTGGTCATCGCCT  
GCGCGCTCGCCGCCGCCCGACGGCCGGAGCGTTCGCGCCGTCCGGCTGGAGCA  
AGGGCAGCGCCACCTTCTACGGCGGCAGCGACGCCCTCCGGCACCATGGGCGGCG  
CGTGCGGGTACGGCAACCTGTACACGCAGGGCTACGGGACGCGGACGGCGGCGC  
TGAGCACGGCGCTCTTCAACGACGGCGCCTCCTGTGGCCGCTGCTACAAGCTCAC  
CTGCGACGCCCGGTCCGACCCCGCTGGTGCCGCCGGGGCGCCTCCGTCACCGTC  
ACCGCCACCAACTTCTGCCCCGCCAACTACGCGCTGCCCTCCGACGACGGCGGCT  
GGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGAGGAGA  
TCGGCGTCTACCGCGGGCGGGATCGTCCCCGTCTCTTCCAGCGCGTCCCCTGCAG  
GCGCCACGGAGGGGTGCGCTTACCGTCGCGGGGAGGGACTACTTCGAGCTGGT  
CCTGCTCACCAACGTCGCGCGCCGCCGGCGCCGTGCGCGCCATGGAGGTGAGGGG  
AACGCGCACGGCCGGGTGGATGACCATGTTCGAGGAAGTGGGGCGCCAACTGGCA  
GTCGCTGGCGTACCTCAACGGGCAGGGGCTCTCGTTCCGGGTACACACCGACGAT  
GGACAGACCATCGAGTTCGCCGACGTCGTGCCGCCGTCTGGAAGTTCGGGCAGA  
CGTACGCCAGCAGGCTGCAGTTCAAGTAG

### Nucleotide

>SitEXPA-12

ATGGCCCGCGGCTTCAAGCACCACTCGCGGCCACGGCCGTGCTGGTCATCGCCT  
GCGCGCTCGCCGCCGCCCGACGGCCGGAGCGTTCGCGCCGTCCGGCTGGAGCA  
AGGGCAGCGCCACCTTCTACGGCGGCAGCGACGCCCTCCGGCACCATGGGTACGTT  
CTTGTCGTGAGTTGTGTCCATCTCTTCTCCTCCGAATCGCGAACTGAACGCCGAC

GCCACCGTGCGCTCCTCGATCGTGCAGGCGGGCGCGTGCGGGTACGGCAACCTGTA  
CACGCAGGGCTACGGGACGCGGACGGCGGGCGCTGAGCACGGCGCTCTTCAACGA  
CGGCGCCTCCTGTGGCCGCTGCTACAAGCTCACCTGCGACGCCCGGTCCGACCCC  
CGCTGGTGCCGCCGGGGCGCCTCCGTCACCGTCACCGCCACCAACTTCTGCCCGC  
CCA ACTACGCGCTGCCCTCCGACGACGGCGGGCTGGTGCAACCCGCCGCGGCAGC  
ACTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGCCGTCTACCGCGGGCGGGA  
TCGTCCCCGTCCTCTTCCAGCGCGTCCCCTGCAGGCGCCACGGAGGGGTGCGCTT  
CACCGTCGCGGGGAGGGACTACTTCGAGCTGGTCCTGCTCACCAACGTCGCCGCC  
GCCGGCGCCGTGCGCGCCATGGAGGTGAGGGGAACGCGCACGGCCGGGTGGATG  
ACCATGTCGAGGAACTGGGGCGCCA ACTGGCAGTCGCTGGCGTACCTCAACGGG  
CAGGGGCTCTCGTTCCGGGTCACCACCGACGATGGACAGACCATCGAGTTCGCCG  
ACGTCGTGCCGCCGTCGTGGA ACTTCGGGCAGACGTACGCCAGCAGGCTGCAGTT  
CAAGTAGTAAATTTACATTGCAAGCTGCCCGGGCCGAGCTTCTTTACTGGTCGGC  
AGTGGCGTGCTTTGCTGGTCTTCTTCTTCGTCTTTCAGTAGTTTAGCTGCCCGCCC  
ACGCGTGCTCGGCCAGCCACCAGCATCTCGCTGCTGCTGCTTGTAATGTCAGCG  
TTGCCGGCCTTTTCTTCTTCAACATGCCGCTTTCGCCTTCTTTCTTGTGTGTACC  
GATGCGTATCGTTGGTAATGAACTCGAGAGTATATATTTATTCATATACGCACGA  
GAGAAGTTCTGAAGAAAAATGTTAT