

## IDENTIFICATION

**Species:** *Setaria italica*

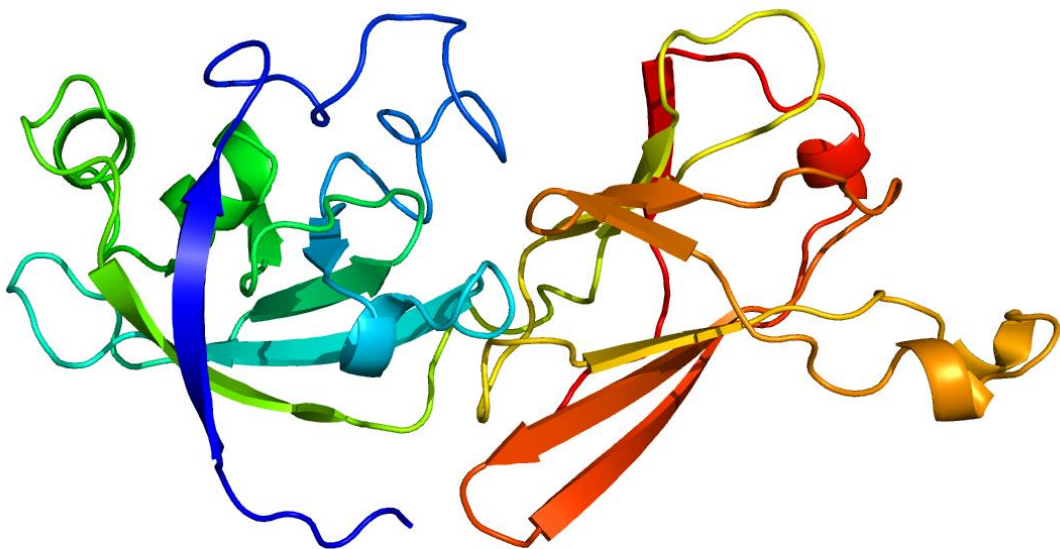
**Locus:** Seita.1G008500

**Gene Model:** Seita.1G008500.1.p

**Description:** SitEXPA-03

**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>

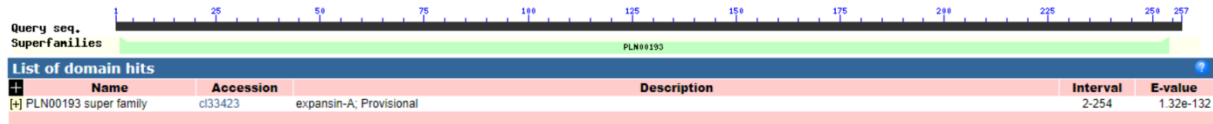
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-03

MAGAYARAAFVLALGCALAAVAAGQEWLRAHATFYGGADASGTMGGACGYGNL  
YAQGYGTRTTALSTALFGDGASCQCYKLVCDRKTDRTWCKPGVSVTVTATNFCPP  
NWSIPSDRGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVIYKRVSCVKKGGVRFVAVN  
GHDYFNLVLVTNVAGPGSIRAMDVRGSRSPDWMPMARNWGANWHSPTYLTGQGL  
SFRVTVTDGQTIIVFANVPPNWRFGQSFASNLQFKL\*

### CDS (coding sequence)

>SitEXPA-03

ATGGCTGGAGCCTACGCCCGCGCGGCGTTCGTGCTCGCGCTCGGCTGCGCGCTGG  
CGGCCGTGGCCGCGGCCAGGAGTGGCTCCGGGCGCACGCCACGTTCTACGGCG  
GCGCCGACGCCTCCGGCACCATGGGTGGCGCGTGCGGGTACGGGAACCTGTACG  
CGCAGGGCTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCGGCGACG  
GCGCGTCCTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGACCGGA  
CGTGGTGCAAGCCCGGGGTGTCGGTCACCGTCACGGCCACCAACTTCTGCCCGCC  
CAATTGGAGCATCCCCAGCGACCGGGGCGGCTGGTGCAACCCGCCCCGGCCCCA  
CTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTACCGCGGGCGGCAT  
CATCCCGGTGATCTACAAGCGGGTGTGATGCGTGAAGAAGGGCGGGGTGCGCTTC  
GCCGTCAACGGGCACGACTACTTCAACCTCGTGCTCGTGACCAACGTCGCGGGCC  
CCGGGTCGATCAGGGCCATGGACGTCAGGGGGTCGCGGTCGCCGACTGGATGC  
CCATGGCGCGCAACTGGGGAGCTAACTGGCACTCGCTGACCTACCTACCGGCCA  
GGGGCTGTCGTTCAAGGGTGACGGTCACCGACGGCCAGACCATCGTCTTCGCCAAC  
GTCGTGCCGCCCAACTGGAGGTTTCGGACAGTCCTTCGCAAGCAACCTGCAGTTCA  
AGCTCTGA

### Nucleotide

>SitEXPA-03

ATGGCTGGAGCCTACGCCCGCGCGGCGTTCGTGCTCGCGCTCGGCTGCGCGCTGG  
CGGCCGTGGCCGCGGCCAGGAGTGGCTCCGGGCGCACGCCACGTTCTACGGCG  
GCGCCGACGCCTCCGGCACCATGGGTAAAGCCTCAACCGCTTCTACAACCAGCAA  
CACGCACGCACGCGACGTGTGTTAACTATCGATCGTTGATGACGACTTGTGACCA  
CACGGCATGCATGCAGGTGGCGCGTGCGGGTACGGGAACCTGTACGCGCAGGGC

TACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCGGCGACGGCGCGTCC  
TGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGACCGGACGTGGTGC  
AAGCCCGGGGTGTCGGTCACCGTCACGGCCACCAACTTCTGCCCCGCCAATTGGA  
GCATCCCCAGCGACCGGGGGCGGCTGGTGCAACCCGCCCCGGCCCCACTTCGACAT  
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GATCTACAAGCGGGTGTTCATGCGTGAAGAAGGGCGGGGTGCGCTTCGCCGTCAA  
CGGGCACGACTACTTCAACCTCGTGCTCGTGACCAACGTCGCGGGCCCCGGGTGC  
ATCAGGGCCATGGACGTCAGGGGGTTCGCGGTTCGCCGGACTGGATGCCCATGGCG  
CGCAACTGGGGAGCTAACTGGCACTCGCTGACCTACCTACCGGCCAGGGGCTGT  
CGTTCAGGGTGACGGTCACCGACGGCCAGACCATCGTCTTCGCCAACGTCGTGCC  
GCCCAACTGGAGGTTTCGGACAGTCCTTCGCAAGCAACCTGCAGTTCAAGCTCTGA  
GCATTATTGAGTAATGCGTGCTAGCTGCTTGATTTCTGGGATCTCCAATTAAGTTG  
CTTGGTAGGATGCATGCTGCATATCTCGATTTGTTGGAAGACCATGCCATTTCTAT  
AGGAACTTGTTACCTGGTTCAAATTCGATCAAAAGAGACTTGTTGATTCCTTGCG  
CTTGTATGTGTGGTGTACATAAAGAGATTTAATGATTTCATAAACTATGCCCAA  
ATCAA