

## IDENTIFICATION

**Species:** *Setaria italica*

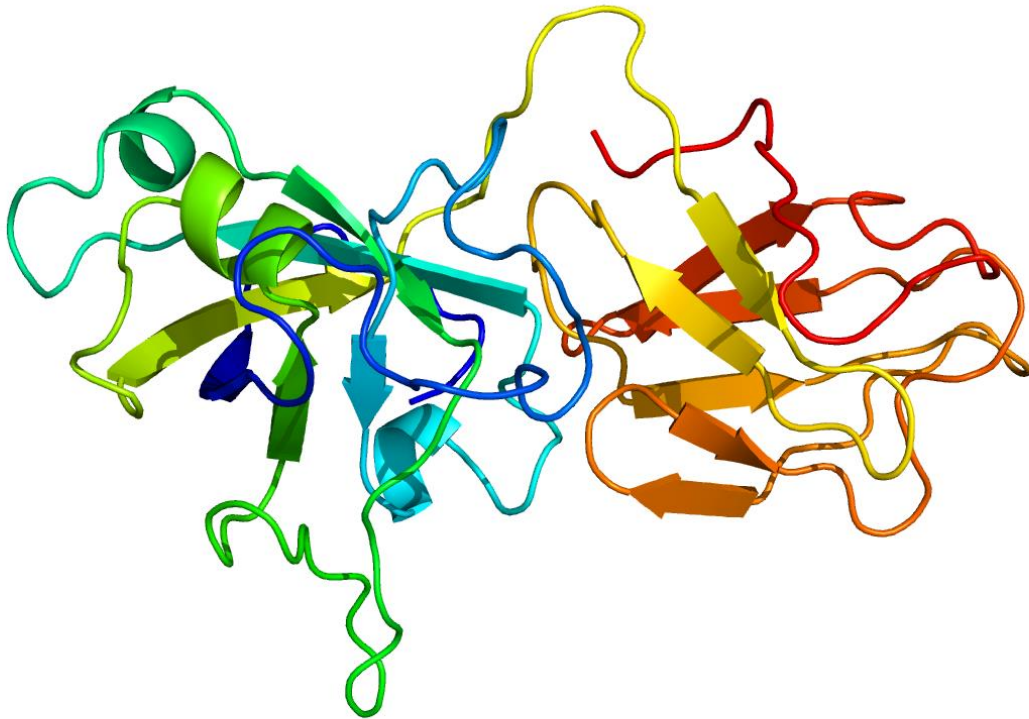
**Locus:** Seita.9G535500

**Gene Model:** Seita.9G535500.1.p

**Description:** SitEXPA-34

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

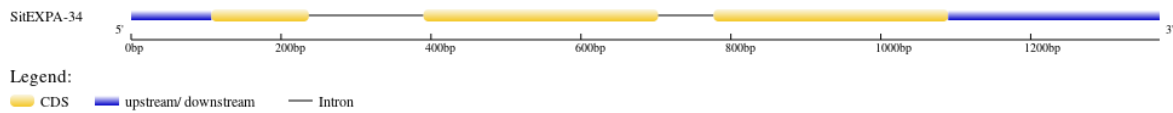
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

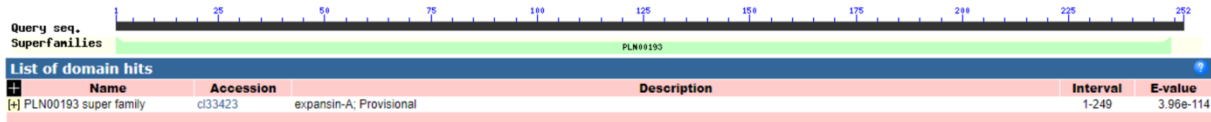
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-34

MGKRFLHQLLLAVLALCFAPVRPDGWL PATATFYGGADGSDTMGGACGYGNLYDQ  
GYGINNAALSTALFNDGASCGQCYVIIICDTSKSGWCRPGKWVA VSATNFCPPNWSLP  
GGGWC GPPRPHFDMSQPAWENIGIYSAGIIPVLYQRIKCWRDGGVRF TIAGFN YFELV  
LVTNVAGSGSIQSM AVKGTSTDWIPMSRNWGANWQCLAALAGQGLSFALTSTGGQS  
IVFQDVVPAWWQFGQTFKTYQNFDY\*

### CDS (coding sequence)

>SitEXPA-34

ATGGGGAAGCGTTTCCTGCACCAGCTGCTGCTCGCCGTCCTCGCGCTCTGCTTTGC  
ACCGGTGAGACCTGACGGCTGGCTCCCGGCCACCGCCACGTTCTACGGCGGGCGCC  
GATGGCTCCGACACAATGGGAGGCGCGTGCGGGTACGGGAACCTGTACGACCAG  
GGTTACGGCATCAACAACGCGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCG  
TCGTGCGGGCAGTGCTACGTGATCATCTGCGACACGAGCAAGTCCGGGTGGTGCC  
GCCCCGGCAAGTGGGTCGCCGTCTCCGCCACCAACTTCTGCCCCGCCAACTGGTC  
CCTCCCCGGCGGGCGGCTGGTGCGGCCCGCCCCGCCCCACTTCGACATGTCCCAG  
CCCGCATGGGAGAACATCGGCATCTACAGCGCCGGCATCATCCCCGTCTCTACC  
AACGGATCAAGTGCTGGAGGGACGGCGGCGTGCGGTTACCATCGCCGGCTTCA  
ACTACTTCGAGCTGGTGCTGGTGACCAACGTGGCCGGGAGCGGGTCCATCCAGAG  
CATGGCGGTGAAGGGCACCAGCACGGATTGGATCCCCATGTCCAGGAACTGGGG  
CGCCAACTGGCAGTGCCCTCGCCGCGCTCGCCGGGCAGGGGCTCAGCTTCGCGCTC  
ACCTCCACCGGCGGCCAGAGCATCGTCTTCCAGGACGTCGTGCCGGCGTGTTGGC  
AGTTCGGCCAGACCTTCAAAACCTACCAGAATTCGACTACTGA

### Nucleotide

>SitEXPA-34

TCAATTCGATCCAACAATCCATTTGCAGGAGTGCAACGAACACTCTCTCGACCGC  
TGTCTCCCTCTGTCCCTGCAGCGTCTGGGATCGATCTCTGCTTCTGAAGAAGATGG  
GGAAGCGTTTCCTGCACCAGCTGCTGCTCGCCGTCCTCGCGCTCTGCTTTGCACCG  
GTGAGACCTGACGGCTGGCTCCCGGCCACCGCCACGTTCTACGGCGGGCGCCGATG  
GCTCCGACACAATGGGTAAGCTTACAGTTTGGTCAGTTTTGTGGCATCTGCAGAA  
TGCAGCTAGCTGTTGCGTGCATGCATATGCCAATACATCGTCTGAATAACAGCAC

GAGGCCACGAGCTGATGCATGCGTGCGTGTGACGTGTATGCATGCACTATATATG  
CAGGAGGCGCGTGCGGGTACGGGAACCTGTACGACCAGGGTTACGGCATCAACA  
ACGCGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCT  
ACGTGATCATCTGCGACACGAGCAAGTCCGGGTGGTGCCGCCCCGGCAAGTGGG  
TCGCCGTCTCCGCCACCAACTTCTGCCCGCCAACTGGTCCCTCCCCGGCGGGCGG  
CTGGTGCGGGCCCCGCCCCGCCCCACTTCGACATGTCCCAGCCCGCATGGGAGAAC  
ATCGGCATCTACAGCGCCGGCATCATCCCCGTCCTCTACCAACGGTATAACCAACT  
CAAACCTTCTCACACCCATCAAGCCAATTCGTCACCAGCAACTGATCGTTGGAGTT  
GCATGCAGGATCAAGTGCTGGAGGGACGGCGGGCGTGCGGTTACCATCGCCGGC  
TTCAACTACTTCGAGCTGGTGCTGGTGACCAACGTGGCCGGGAGCGGGTCCATCC  
AGAGCATGGCGGTGAAGGGCACCAGCACGGATTGGATCCCCATGTCCAGGAACT  
GGGGCGCCAACCTGGCAGTGCCTCGCCGCGCTCGCCGGGCAGGGGCTCAGCTTCGC  
GCTCACCTCCACCGGGCGGCCAGAGCATCGTCTTCCAGGACGTCGTGCCGGCGTGG  
TGGCAGTTCGGCCAGACCTTCAAACCTACCAGAATTTGACTACTGATTTGCTC  
CCCCAAGACGTAGGGTCCATCCACAAGGCGTGTGGCTGCGTGTTCGCTATCTGA  
TCATTGTTTTTTCTTGCCTATAAAATCCGTTCTTTTCTATTCTTTATTATTGCACTG  
TTTCATTTCCGTTCAATCTCACTTGTAGTTTGGAAATCATTGATTATTATAAGTCGC  
CAACTAATGGTTGTAAATTTAATCACATGATCATTCCCTTCCTCTACCAATAATTG  
CAAGTTTTTTTCGTGCCATTGTAAGTTTGCCAGTTATTTGCAGCCTGG