

## IDENTIFICATION

**Species:** *Setaria italica*

**Locus:** Seita.9G535800

**Gene Model:** Seita.9G535800.1.p

**Description:** SitEXPA-36

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

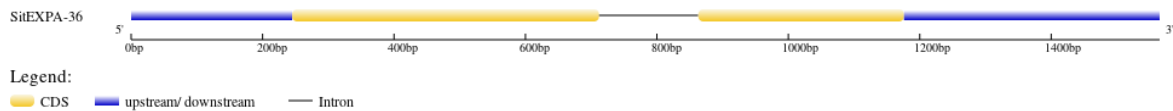
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

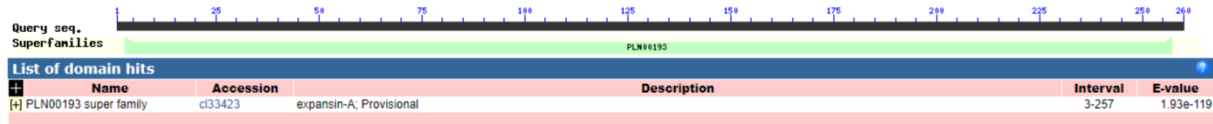
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-36

MEMRRAPSYLLLLLVVAAASRLVPAAAGDDGGWSKGTATFYGGGDASGTMGGACG  
YGNLYWSGYGTDTAALSSPLFDDGASCGQCFTVTCDAASSQWCLKGKSVTVTATNL  
CPPNYALSGDEGGWCNPPRRHLDMAQPAFLQIAQCKGGIVPVLYQRTPCMKGQGGVR  
FTMAGSNYFVLVLITNVAGTGSVKA VVVKGSNTDRMPMSRNWGANWQSLAGLTG  
QALTFGVNTDVGKTVVVTDVVPAAWWKFGQSFTSGVQFSS\*

### CDS (coding sequence)

>SitEXPA-36

ATGGAGATGCGGAGAGCACCGAGCTATCTTCTGCTCCTCGTCGTCGCGGGCGGCGT  
CGCGGTTGGTGCCGGCGGCGGGGACGACGGCGGGTGGTTCGAAGGGTACGG  
CCACGTTCTACGGCGGCGGGGACGCCTCCGGCACGATGGGCGGCGCGTGCAGGGT  
ACGGGAACCTGTACTGGTCCGGGTACGGGACGGACACGGCGGCGCTGAGCTCGC  
CGCTGTTTCGACGACGGCGCGTTCGTGCGGGCAGTGCTTCACCGTCACGTGCGACGC  
CGCCTCATCGCAGTGGTGCCTGAAAGGCAAGTCGGTGACCGTCACGGCCACCAAC  
CTGTGCCC GCCAACTACGCGCTCTCCGGCGACGAGGGCGGCTGGTGCAACCCGC  
CCCGCCGCCACCTCGACATGGCCCAGCCCGCCTTCCTCCAGATCGCCCAGTGCAA  
GGGCGGCATCGTGCCGGTGTCTACAGAGGACGCCGTGCATGAAGCAGGGAGG  
GGTGCAGTTCACCATGGCCGGGTCCA ACTACTTCGTGCTGGTGCATCACCAAC  
GTGGCCGGGACCGGGTCGGTGAAGGCGGTGTGGGTGAAGGGGAGCAACACGGAC  
AGGATGCCCATGAGCAGGAACTGGGGCGCCA ACTGGCAGTCGCTCGCCGGGCTC  
ACCGGCCAGGCGCTCACCTTCGGCGTCACCAACACCGACGGCAAGACCGTTCGTCG  
TCACCGACGTCGTGCCGGCATGGTGGAAGTTCGGGCAGTCCTTCACCTCCGGCGT  
CCAGTTCTCCAGCTGA

### Nucleotide

>SitEXPA-36

TGTACATGTGTCACTCACTCATACTGCTTGGCCATGGCTTGAGGAGCAAATTT  
CCAAGCCGACGCATATGAATGCACTCGACACTTCGCTAGCTGCTCTCATCCTATTT  
AAGATCCGTACGAGAAGATCGACTCCATTTACCACACCAAGTGTAACCGACAGT  
GTCGCTCATCACGCATCAGCCTCTCTGTATAGCTAGCTAGTAGCCAGTACTGC  
ACTTGCCAAAGCTCAAAGTGCATGGAGATGCGGAGAGCACCGAGCTATCTTCTG

CTCCTCGTCGTCGCGGGCGGCGTCGCGGTTGGTGCCGGCGGCGGCGGGGGACGAC  
GGCGGGTGGTCGAAGGGTACGGCCACGTTCTACGGCGGCGGGGACGCCTCCGGC  
ACGATGGGCGGCGCGTGCGGGTACGGGAACCTGTACTGGTCCGGGTACGGGACG  
GACACGGCGGGCGCTGAGCTCGCCGCTGTTCGACGACGGCGCGTCGTGCGGGCAG  
TGCTTCACCGTCACGTGCGACGCCGCCTCATCGCAGTGGTGCCTGAAAGGCAAGT  
CGGTGACCGTCACGGCCACCAACCTGTGCCCGCCCAACTACGCGCTCTCCGGCGA  
CGAGGGCGGCTGGTGCAACCCGCCCCGCCGCCACCTCGACATGGCCCAGCCCGCC  
TTCCTCCAGATCGCCCAGTGCAAGGGCGGCATCGTGCCGGTGCTCTACCAGAGGT  
AATTAGTAGTTTACTATCACTTCAACAATCCTTAATTATAGTAATCTTGACGGTT  
TGACCCGGACAAGTCAGTTCTAGCTAGCCTTCTGATTGATTAACTCATTAAACAAA  
AGATTAATCTGGTGATGTGAATCATTGTGACGGTCTAGGACGCCGTGCATGAAGC  
AGGGAGGGGTGCGGTTACCATGGCCGGGTCCAACTACTTCGTGCTGGTGCTCAT  
CACCAACGTGGCCGGGACCGGGTCGGTGAAGGCGGTGTGGGTGAAGGGGAGCAA  
CACGGACAGGATGCCCATGAGCAGGAACTGGGGCGCCAACCTGGCAGTCGCTCGC  
CGGGCTCACCGGCCAGGCGCTCACCTTCGGCGTCACCAACACCGACGGCAAGAC  
CGTCGTCGTCACCGACGTCGTGCCGGCATGGTGGAAGTTCGGGCAGTCCTTCACC  
TCCGGCGTCCAGTTCTCCAGCTGATCGATCGGTGACGAACCTCATCGGAGTTTCG  
AACGGCGGCTCCATCGGCCAGCAGGCTAGTTGCAGTCTTGCAGATCTAGGCTTTT  
CTGGTTGAATTGAAGAAGCACATGACATCTGAATTAATAAAGATTAATAATGGG  
GACAGGACTGTATGGAGTACTGGGGTGTGTACTGTGATATGTATAGTTCTCGCCT  
GCTAGGCCATGCCATGGAGGACCCATTCATGGTTCATGGCAGGGTAGACTGGAA  
GATTATTGTAGTCTGGAGTTAAGTTCTTGCTGGAGACGATGCCCGATCAGTAGCT  
TTCTTCTGCAGACTCTGTTAATAATTACAGTCTTGTTGTGGTACTATTGTTACAC  
CTGGTCATTTGAATGAAATTTTAGATAGA