

## IDENTIFICATION

**Species:** *Setaria italica*

**Locus:** Seita.7G029300

**Gene Model:** Seita.7G029300.1.p

**Description:** SitEXPA-20

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

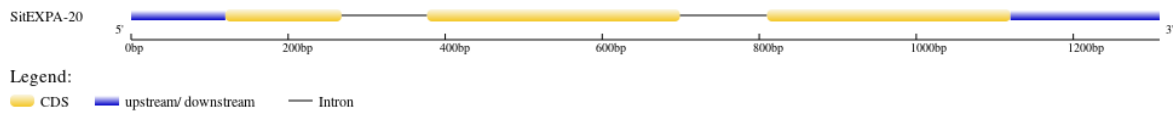
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

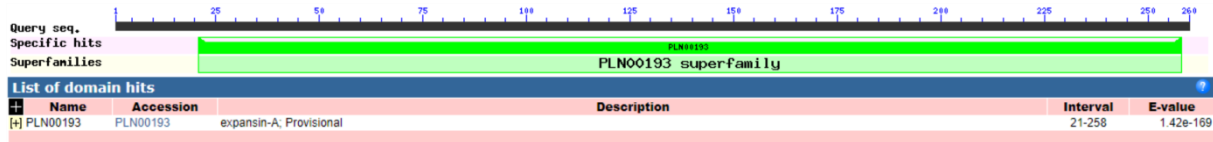
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-20

MEATGSFTRVIALLAASLLWKEAACFSASGLNKAFATFYGGSDASGTMGGACGYG  
NLYSTGYGTNTAALSTALFNDGASCGQCYRITCDYQADPRFCIIGTSVTITATNLCPPN  
YALPNDNGGWCNPPRQHFDMAEPAWLKIGIYRGGIVPVIYQVRPCVKQGGVRFTING  
RDYFELVLISNVGGCGSIQSVSIKGSRTGWMAMSRNWGVNWQSNAYLNGQSLSFQL  
TSSDGQTKTFLNVAPANWGFQTFATSQQFS\*

### CDS (coding sequence)

>SitEXPA-20

ATGGAGGCAACTGGCTCATTCCTCGCGTTATCGCGTTGCTCGCGGCGGCAAGTC  
TCCTTTGGAAGGAAGCCGCGTGCTTCTCGGCGTCCGTTTGAACAAGGCCTTCGC  
CACTTTCTATGGCGGTAGCGACGCCTCAGGAACAATGGGAGGCGCTTGCGGGTAC  
GGGAACCTTTACTCGACGGGGTACGGCACGAACACAGCAGCGCTGAGTACGGCG  
CTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCACGTGCGACTACC  
AGGCGGACCCGCGGTTCTGCATAATTGGCACGTCGGTGACCATCACGGCCACCAA  
CTTGTGCCACCCAACACTACGCCCTGCCGAACGACAACGGCGGCTGGTGCAACCCG  
CCCCGCCAACACTTCGACATGGCCGAGCCCGCCTGGCTCAAGATCGGCATCTATC  
GCGGCGGCATCGTGCCGGTGATCTACCAAAGGGTGCCATGTGTGAAGCAAGGCG  
GGGTCAGGTTCAACATCAACGGCCGCGACTACTTCGAGCTGGTGCTGATCTCCAA  
CGTCGGCGGCTGCGGGTCCATCCAGTCGGTGTCGATCAAGGGCTCGCGGACCGGG  
TGATGGCCATGTCGAGAACTGGGGCGTCAACTGGCAGTCCAACGCATACCTCA  
ACGGGCAGAGCCTGTCGTTCCAGCTCACCAGCAGCGACGGCCAGACCAAGACCT  
TCCTCAACGTTGCCCGGCCAACTGGGGGTTCCGGGCAGACGTTTGCAACCTCGCA  
ACAGTTCTCTTAG

### Nucleotide

>SitEXPA-20

TCTGATCCAATCCAGAAACGCCAGAGTCCTGATGACCCGATCCCTACTTAAACGA  
CGATGCCTCCTCAGACGTTTGGCCATTAGCTAGCGTTGTTTCATCGATCTCAGCTCC  
CTCACTGCCATGGAGGCAACTGGCTCATTCCTCGCGTTATCGCGTTGCTCGCGG  
CGGCAAGTCTCCTTTGGAAGGAAGCCGCGTGCTTCTCGGCGTCCGTTTGAACAA

GGCCTTCGCCACTTTCTATGGCGGTAGCGACGCCTCAGGAACAATGGGTAAAGAGA  
GAAGCTACCTAGATGCTACAATTTCTTTCAACTTTTTTGTGTAGCTCAAAGGATCG  
GAACTGATGCTGACGCATGAACCTACCATGTCCGCGTATATGCAGGAGGCGCTTG  
CGGGTACGGGAACCTTTACTCGACGGGGTACGGCACGAACACAGCAGCGCTGAG  
TACGGCGCTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCACGTGC  
GACTACCAGGCGGACCCGCGGTTCTGCATAATTGGCACGTCCGGTGACCATCACGG  
CCACCAACTTGTGCCACCCAACACTACGCCCTGCCGAACGACAACGGCGGCTGGTG  
CAACCCGCCCCGCCAACACTTCGACATGGCCGAGCCCGCCTGGCTCAAGATCGGC  
ATCTATCGCGGCGGCATCGTGCCGGTGATCTACCAAAGGTATGCACATCTGATAA  
CGAAATCCCGAGCGATTTCCACTCGAAGTTTGATGATTTAGCGATGGTCGAATGT  
TGGTGATCTCAGACGCGGATGACCTACGTACGTGTGCAGGGTGCCATGTGTGAAG  
CAAGGCGGGGTCAGGTTACCATCAACGGCCGCGACTACTTCGAGCTGGTGCTGA  
TCTCAAACGTCGGCGGCTGCGGGTCCATCCAGTCGGTGTTCGATCAAGGGCTCGCG  
GACCGGGTGGATGGCCATGTCGAGAAACTGGGGCGTCAACTGGCAGTCCAACGC  
ATACCTCAACGGGCAGAGCCTGTCGTTCCAGCTCACCAGCAGCGACGGCCAGACC  
AAGACCTTCCTCAACGTTGCCCCGGCCAACTGGGGGTTTCGGGCAGACGTTTGCAA  
CCTCGCAACAGTTCTCTTAGGGTGTGTTTGATTTTATGCGCCATTTGATACATGCA  
TGGATGATCCTGGATGGTGAGATTCAACATATTTGCTTGTACTATATGGTTCACTC  
TTATTGGTAGAATAATGTATCGAGTGGGATGGTTTCCTCCTGGATAGGTTGGTAC  
AATTCACCCAACCAAACAAAATGATCATTATTATTTTGA ACTA