

## IDENTIFICATION

**Species:** *Setaria italica*

**Locus:** Seita.1G318000

**Gene Model:** Seita.1G318000.1.p

**Description:** SitEXPA-06

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

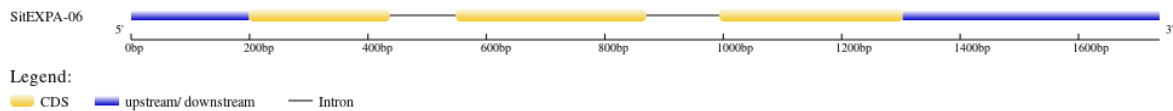
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sitalica\\_v2\\_2](https://phytozome-next.jgi.doe.gov/info/Sitalica_v2_2)

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

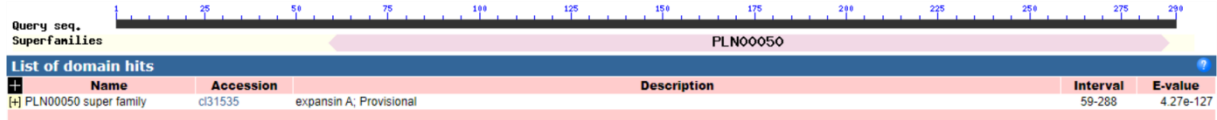
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SitEXPA-06

MAPPQAVLAVLLASLLPLALSRLGLGLGHRHVPQHGGMGLGHRHAQPHQPQPHGHA  
PLAGGAWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNGLS  
CGACFEVRCDAAGGGGHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHFDMS  
QPVFQRIALYRAGIVPVSYRRVACNKKGGIRFTINGHSYFNLVLTNVGGAGDVHSV  
AVKGRSAGWQAMSRNWGQNWQSNLLDGQALSFRVTTSDGRSVVSNNAAPRGW  
SFGQTFSGAQFN\*

### CDS (coding sequence)

>SitEXPA-06

ATGGCGCCTCCCCAAGCCGTCCTCGCGGTCCTCCTGGCCTCGCTGCTTCCGCTGGC  
GCTCTCGCGTGGGCTGGGGCTCGGGCACCGGCATGTGCCGCAGCACGGGCACGG  
GATGGGGCTAGGCCACCGTCACGCCACCGGCACCCGCAGCCGCACGGGCACGC  
GCCGCTCGCGGGTGGGGCGTGGTCCTCGGCCACGCCACCTTCTACGGCGGCGGC  
GACGCGTCCGGCACCATGGGAGGGGCGTGCGGGTACGGGAACCTGTACAGCCAG  
GGGTACGGCACCAACACGGCGGCGCTGAGCACGGCGCTCTTCAACAACGGCCTC  
AGCTGCGGCGCCTGCTTCGAGGTGCGGTGCGACGCGGCGGGGGGCGGCGGACAC  
TCGTGCCTGCCGGGCTCCGTGTCGTCACGGCCACTAACTTTTGCCCGCCCAACA  
ACGCGCTGCCCTCCGACGACGGCGGGTGGTGCAACCCGCCGCGCGCACTTCGA  
CATGTTCGACGCCCGTGTTCAGCGCATCGCGCTCTACAGGGCCGGCATTGTCCCC  
GTCTCCTACCGCAGGGTCGCGTGCAACAAGAAGGGCGGCATCCGGTTCACCATCA  
ACGGCCACTCCTACTTCAACCTGGTCCTGGTCACCAACGTGGGCGGCGCCGGCGA  
CGTGCACTCCGTGGCCGTGAAGGGCGACCGCTCCGCCGGGTGGCAAGCCATGTCC  
CGCAACTGGGGACAGAACTGGCAGAGCAACACGCTCCTCGATGGCCAGGCCCTC  
TCCTTCCGCGTCACCACCAGCGACGGCCGCTCCGTGGTCTCCAACAACGCCGCAC  
CCC GCGGCTGGTCCTTCGGCCAGACCTTCAGCGGGGCCAGTTCAACTGA

### Nucleotide

>SitEXPA-06

CGCCCCCGCCACCACGCGCACCGCGCGCCGGTGTGTTGAAACCCTGTGCCGCGCC  
TCCCATCTATTTATCCACCACAAGCCCCACCTCGCTTCACTCCACTCCACTCCAC  
TCCAGCCGCCCGTCCGTTCCCTCGTGCTCGCCGCCGCCGCCGCCGCCGCCGCC

CATCCGTCTCCGGACCCCGAGCCCCAGCGCAATGGCGCCTCCCCAAGCCGTCCT  
CGCGGTCTCCTGGCCTCGCTGCTTCCGCTGGCGCTCTCGCGTGGGCTGGGGCTCG  
GGCACCGGCATGTGCCGCAGCACGGGCACGGGATGGGGCTAGGCCACCGTCACG  
CCCAGCCGCACCCGCAGCCGCACGGGCACGCGCCGCTCGCGGGTGGGGCGTGGT  
CCTCGGCCACGCCACCTTCTACGGCGGGCGGCGACGCGTCCGGCACCATGGGTAC  
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GCTTTGCTCGTCTATGGTACTGAAATTCTCTATCCCGATTCGTCTTTGCAGGAGGG  
GCGTGCGGGTACGGGAACCTGTACAGCCAGGGGTACGGCACCAACACGGCGGGC  
CTGAGCACGGCGCTTTCAACAACGGCCTCAGCTGCGGGCGCCTGCTTCGAGGTGC  
GGTGCAGCGCGGGGGGGCGGCGGACACTCGTGCCTGCCGGGCTCCGTCGTCG  
TCACGGCCACTAACTTTTGCCCGCCCAACAACGCGCTGCCCTCCGACGACGGCGG  
GTGGTGCAACCCGCCGCGCGCACTTCGACATGTCGCAGCCCGTGTTCAGCGC  
ATCGCGCTCTACAGGGCCGGCATTGTCCCCGTCTCCTACCGCAGGTCTGTAGTGA  
AACTACTTTCCTTTTCTTTTGGCAAGCGTTTCATGTTCTTCTCGGAGCAAAACGA  
GAACTTACCGTTCAGATCTGACCATGTGTCTCCTTTTTGTTTGCTACGTGCTGCAG  
GGTCGCGTGCAACAAGAAGGGCGGCATCCGGTTCACCATCAACGGCCACTCCTAC  
TTCAACCTGGTCTGGTACCAACGTGGGCGGGCGCCGGCGACGTGCACTCCGTGG  
CCGTGAAGGGCGACCGCTCCGCCGGGTGGCAAGCCATGTCCCGCAACTGGGGAC  
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TTTTCGTGCTGGTGTGAGCCTAGAGTGAGTGGTTCCTTGGTTGTTTTGGCTAGGGA  
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CCCGCCAATCAGCGTTTTTGGGCCTCATGGTGTGATGGCCAACCTCTTTAGATGAGAT  
GAGATGTTTTGTATTGTGGGGGTGAAAGTGTGCTGGTTGTAATGAACCTTATCAA  
GTTAATCCTTCCGAACGGCTTAATTTGT