

## IDENTIFICATION

**Species:** *Setaria viridis*

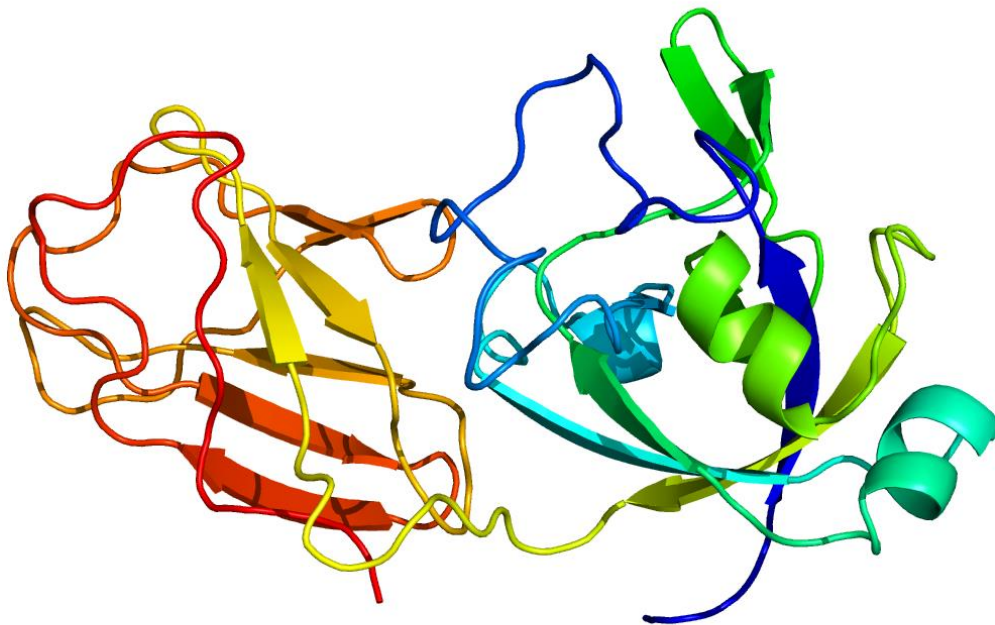
**Locus:** Sevir.5G062100

**Gene Model:** Sevir.5G062100.1.p

**Description:** SvEXPA-16

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Sviridis\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Sviridis_v2_1)

KEGG:-

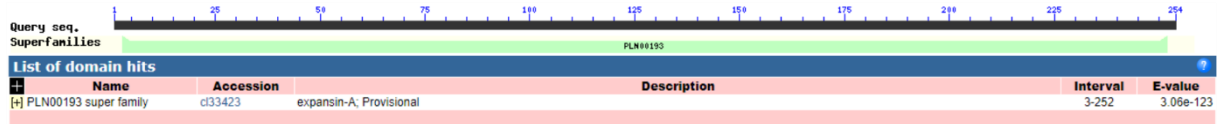
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>SvEXPA-16

MQAKMLALQLALCAFFLLEGSAAAVQWTPAFATFYGGSDASGTMGGACGYDNLYS  
AGYGTRTAALSTALFNNGAMCGACFTIACDARKSRYCKPGTSITVTATNFCPPNWAL  
SGDSGGWCNPPRRHFDMSQPAWETIAVYRAGIVPVNYRRVPCRRSGGVRFTVNGHS  
YFELVTVANVGGSGVVAQAWIKGSRTDWMPMSRNWGANWQSN AFLNGQSLSFRL  
RADDGRVVTAVDVAPAGWWFGGTYTSNAQFY\*

### CDS (coding sequence)

>SvEXPA-16

ATGCAGGCGAAGATGCTCGCGCTCCAGCTGGCCCTGTGCGCCTTCTTCCTCCTCG  
AAGGGTCGGCGGCGGCGGTTTCAGTGGACGCCCGCCTTCGCCACGTTCTACGGCGG  
CAGCGACGCCTCCGGCACCATGGGCGGCGCGTGCGGGTACGACAACCTGTACAG  
CGCGGGGTACGGGACGCGGACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGG  
CGCCATGTGCGGGGCGTGCTTCACCATCGCCTGCGACGCGCGTAAGTCCAGGTAC  
TGCAAGCCGGGCACCTCCATCACCGTCACGGCCACCAACTTCTGCCCGCCCAACT  
GGGCGCTCTCCGGCGACTCCGGCGGCTGGTGCAACCCGCCGCGCCGCCACTTCGA  
CATGTTCGCAGCCGGCGTGGGAGACCATCGCCGTGTACCGCGCCGGGATCGTGCCG  
GTGAACTACCGCCGCGTGCCGTGCCGGAGGAGCGGCGGCGTCCGGTTCACCGTCA  
ACGGGCACAGCTACTTCGAGCTGGTGACGGTGGCCAACGTCGGCGGCAGCGGCG  
TGGTGGCGCAGGCGTGGATCAAGGGGTCGCGGACGGACTGGATGCCCATGAGCC  
GGA ACTGGGGCGCCA ACTGGCAGAGCAACGCCTTCCTCAACGGGCAGAGCCTCT  
CGTTCGGGCTCAGGGCCGACGACGGCCGCGTTCGTCACCGCCGTCGACGTCGCCCC  
CGCCGGGTGGTGGTTCGGCGGCACGTACACGTCCAATGCGCAGTTCTACTGA

### Nucleotide

>SvEXPA-16

CAAACCATCCACGCGCTGGGCAGTCGCTTTCGAGCTCGCTGCAGAGTATGAACGG  
GGCCGGGCTTGCCCCTCCCCGTCCGGTACTCGCCTGACCGGCCGGCTACTCGTC  
GTAGCAGCAGCGGTTGGTTGCTTGTGAAGTGGTCCTTGCAAGTGCCATCAAGAAC  
CTGACACACTATTTATACGGCTCCTTGGTGGCCATTCCTGGGCACGAACACTC  
AGCCGTACGGCACAAAACAAACACTGGCTAGCTACTGACATGCAGGCGAAGATG  
CTCGCGCTCCAGCTGGCCCTGTGCGCCTTCTTCCTCCTCGAAGGGTCGGCGGCGG

CGGTT CAGTGGACGCCCGCCTTCGCCACGTTCTACGGCGGCAGCGACGCCTCCGG  
CACCATGGGTAAGCACACCCTGCTCGATCCATCCGCCATGCTCTTGCAATTGAGTT  
ATTCTACATCAGGTTATTACGAATGCTAACACCTCTGCTCCGCCATCGATCGATC  
ACCAGGCGGCGCGTGCGGGTACGACAACCTGTACAGCGCGGGGTACGGGACGCG  
GACGGCGGCGCTGAGCACGGCGCTGTTCAACAACGGCGCCATGTGCGGGGCGTG  
CTTCACCATCGCCTGCGACGCGCGTAAGTCCAGGTACTGCAAGCCGGGCACCTCC  
ATCACCGTCACGGCCACCAACTTCTGCCCCGCCAACTGGGCGCTCTCCGGCGACT  
CCGGCGGCTGGTGCAACCCGCCGCGCCGCCACTTCGACATGTCGCAGCCGGCGTG  
GGAGACCATCGCCGTGTACCGCGCCGGGATCGTGCCGGTGA ACTACCGCCGCGTG  
CCGTGCCGGAGGAGCGGCGGCGTCCGGTTCACCGTCAACGGGCACAGCTACTTCG  
AGCTGGTGACGGTGGCCAACGTCGGCGGCAGCGGCGTGGTGGCGCAGGCGTGGA  
TCAAGGGGTCGCGGACGGACTGGATGCCCATGAGCCGGA ACTGGGGCGCCAACT  
GGCAGAGCAACGCCTTCCTCAACGGGCAGAGCCTCTCGTTCCGGCTCAGGGCCGA  
CGACGGCCGCGTCGTCACCGCCGTCGACGTCGCCCCCGCCGGGTGGTGGTTCGGC  
GGCACGTACACGTCCAATGCGCAGTTCTACTGACGTCGATCGAGGACGTGATCTT  
CTTCATGTCTCTTTTTTTTTCCCTTGTTCGTGTCGTGAAAATGTGTAGTATAACCAA  
TGATTTACCAGGTAATACCGTAGTAGGTCGACGTGGCATAGGATCAAACGCCGCC  
CACGCATGCTTATACGCCATATACGCAGGATGTACCATGTGATGTACTGTGAACC  
GTACATTTTTTATGAACGGCTCAGTGTCAGCCTTAATCTTCCAATTTCTTTCTGTGT  
AGCTGTAGAAATTT